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**IDENTIFICACIÓN COMPUTACIONAL DE
NUEVOS COMPUESTOS LÍDERES CON
ACTIVIDAD ANALGÉSICA**

*Tesis para optar por el grado de licenciado
en Ciencias Farmacéuticas*

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"For all flesh is as grass, and all the glory of man as the flower of grass. The grass withereth, and the flower thereof falleth away: But the word of the Lord endureth for ever." 1 Peter 1:24,25.

"Todo carne es como hierba y toda la gloria del hombre como flor de la hierba; la hierba se seca y la flor se cae, mas la palabra del Señor permanece para siempre." 1 Pedro 1:24,25.

For all my friends and family, especially my daughter, Naarah Melani Nerissa Athanase and my husband, Jeremiah Wayn Athanase, with love and admiration.

“I have fought a good fight, I have finished my course...” 2Tim 4:7.

Con mucho cariño y admiración, a todas mis amigos y mi familia en particular a mi hija, Naarah Melani Nerissa Athanase y mi esposo, Jeremiah Wayn Athanase.

“He peleada la buena batalla, he acabado la carrera...” 2Ti 4:7

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ABSTRACT

In this work the fundamental objective was to identify new leader compounds with analgesic activity by means of *in silico* tests. To this end, firstly a database was compiled using compounds reported in the literature with analgesic activity to obtain a reliable analysis and modulation of the data. Using **TOMOCOMD-CARDD** descriptors, quantitative structure-activity relationships (QSAR) models were obtained that allowed virtual screening processes to be carried out, using a database of 1190 compounds and the lineal stochastic and non-stochastic atomic indices as molecular descriptors. Through the multivariate selection method descriptors were identified that allow the separation of the data into two classes (analgesic and non-analgesic compounds). The results of the analyses indicate that the total and local **TOMOCOMD-CARDD** descriptors, provides an excellent separation of the data (> 88%) in the training and prediction series. Finally, the models obtained were applied to the virtual screening of chemical compounds which allowed the *in-silico* estimation of the activity of compounds with other pharmacological uses as well as new molecular entities. Several drugs current used in therapy and new series heads were identified as possible analgesics although the activity of the compounds selected as analgesic has to be corroborated experimentally. Generally we can conclude that the **TOMOCOMD-CARDD** method is promising in the development of QSAR models with a view to the biosilic discovery of new drugs with analgesic activity.

En este trabajo el objetivo fundamental fue identificar nuevas compuestos líderes de actividad analgésicos mediante ensayos *in silico*. Con este fin, primeramente se recolecta una gran base de datos de la literatura de compuestos reportados con actividad analgésica para acceder al análisis y la modelación confiable de la data. Utilizando descriptores **TOMOCOMD-CARDD** se obtienen modelos de relaciones cuantitativas estructura-actividad (QSAR), que permitan realizar procesos de cribado virtual, empleando una base de datos de 1190 compuestos, y los índices lineales de átomos: estocásticos y no-estocásticos como descriptores moleculares. A través del método de selección de variables se identificaron los descriptores que permiten la separación de la data en dos clases (compuestos analgésicos y no-analgésicos). El análisis de pasos hacia delante permitió el desarrollo de los modelos usando el Análisis Discriminante Lineal. Los resultados de los análisis indican que los descriptores **TOMOCOMD-CARDD** totales y locales, proporcionan una excelente separación de la data ($> 88\%$) en la serie de entrenamiento y en la serie de predicción. Finalmente, se aplicaron los modelos obtenidos al “screening” virtual de compuestos químicos permitieron estimar *in-silico* la actividad de compuestos con otros usos farmacológicos así como nuevas entidades moleculares. Se identificaron varios fármacos utilizados en la terapéutica actual y nuevos cabezas de serie como posibles analgésicos aunque la actividad de los compuestos seleccionados como analgésicos tiene que ser corroborada experimentalmente. De forma general podemos concluir que el método TOMOCOMD-CARDD resulta promisorio en el desarrollo de modelos QSAR con vistas al descubrimiento biosílico de nuevos fármacos con actividad analgésica.

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| | |
|--------------|---|
| λ | Lambda de Wilks |
| $\Delta P\%$ | Porcentaje de Clasificación |
| AINEs | Antiinflamatorios no esteroides |
| ADL | Análisis Discriminante Lineal |
| $f_k(x)$ | k -ésimo Índice lineal basado en relaciones de núcleos atómicos |
| CARDD | <u>Computed-Aided ‘Rational’ Drug Design</u> |
| D^2 | Distancia de Mahalanobis |
| DMs | Descriptores Moleculares |
| Ec. | Ecuación |
| F | Fisher |
| FC | Función de Clasificación |
| FDs | Función Discriminante |
| Fig. | Figura |
| IV | Intravenosa |
| k -MCA | Análisis de cluster de k -medias |
| PG | Prostaglandina |
| QSAR | Quantitative Structure Activity Relationship |
| SE | Serie de Entrenamiento |
| SP | Serie de Predicción |
| SNC | Sistema Nervioso Central |
| TOMOCOMD | <u>TOpological MOlecular COMputer Design</u> |
| \bar{x} | Vector Molecular basado en Átomos |

INTRODUCCIÓN

La obtención de nuevos compuestos cabezas de serie (o también conocidos como compuestos líderes) útiles en el tratamiento del dolor, constituye una tarea de primer orden para la industria farmacéutica actual. Un estudio reciente llevado a cabo por el *Boston Consulting Group* (BCG), que involucró 50 compañías e instituciones académicas, mostró que el costo de desarrollo de un nuevo medicamento desde la identificación de su diana farmacológica, el descubrimiento y optimización de uno de los nuevos compuestos líderes, el desarrollo de los ensayos clínicos requeridos y su uso autorizado en terapéutica es como promedio de 880 millones de dólares (USD) y se necesita también como promedio un periodo de 15 años de investigación. Además, 7 de cada 10 medicamentos no recuperan su costo y muchos de ellos no han encontrado todavía aplicaciones farmacológicas.^[1] Estas características desfavorables (inefectividad, alto costo y gran consumo de tiempo) hacen el método ‘tradicional’ de evaluación al *azar* casi inaplicable para los países en vías de desarrollo.

Los métodos *in silico* son una de las pocas técnicas que han tenido y tienen potencial para mejorar significativamente el descubrimiento y posterior desarrollo de fármacos. Según la BCG, las técnicas *in silico* (químico- y bio-informáticas) salvan un promedio de 130 millones de USD y 0.8 años por cada fármaco.^[1] De esta forma, varias técnicas computacionales son usadas para seleccionar un reducido número de compuestos potencialmente activos de una gran biblioteca química o combinatoria que esté disponible, a la cual podemos llamarla base de datos estructural. Con este enfoque es posible discriminar las moléculas que constituyen potentes candidatos de las inactivas o de las moléculas menos potentes.

El empleo de técnicas computacionales de diseño ‘*racional*’ constituye una útil herramienta para abaratar los costos y disminuir el tiempo de investigación requerido para la obtención de los objetivos propuestos. En este sentido, el sistema computacional *TOMOCOMD-CARDD* nos permite la descripción de propiedades físicas, químico-físicas, químicas y biológicas (toxicológicas, farmacocinéticas y farmacológicas) así como el descubrimiento de nuevos compuestos bioactivos.

En Cuba existe un ambicioso plan de desarrollo de la industria médico-farmacéutica, el cual involucra a varias instituciones de investigación-desarrollo y universidades nacionales.

Problema científico

El paso limitante en el descubrimiento y desarrollo de nuevos fármacos continúa siendo la identificación y la optimización de nuevos compuestos líderes, sin embargo los altos costos y la baja efectividad que presentan los métodos tradicionales de ‘prueba y error’ al igual que la creciente sensibilidad social ante las *patologías relacionadas con procesos asociados al dolor* y los *efectos indeseables* de los fármacos disponibles en la terapéutica actual proveen un ímpetu adicional a la utilización de métodos más ‘racionales’ para la obtención de nuevas entidades moleculares potencialmente analgésicas.

Hipótesis

Es posible a través del uso de modelos matemáticos basados en la aplicación de los descriptores **TOMOCOMD-CARDD** obtener funciones que relacionen adecuadamente la estructura química con la actividad analgésica que permitan la identificación/selección de nuevos compuestos líderes a través del tamizaje (cribado) virtual de grandes bases de datos.

Objetivo General

Desarrollar estudios “*in-silico*” capaces de identificar nuevos compuestos líderes con actividad analgésica.

Objetivos Específicos

1. Recolectar una gran base de datos de la literatura de compuestos a los que se les ha reportado experimentalmente actividad analgésica para acceder al análisis y la modelación confiable de la data.
2. Obtener modelos QSAR utilizando descriptores **TOMOCOMD-CARDD** que permitan la descripción de la actividad analgésica.
3. Desarrollar un exhaustivo proceso de validación externa de los modelos encontrados, para demostrar la robustez y el poder predictivo de los mismos.
4. Aplicar los modelos obtenidos al “screening” virtual de compuestos químicos para evidenciar las potencialidades del método **TOMOCOMD-CARDD** en el descubrimiento (selección/identificación y/o diseño) de nuevos compuestos líderes.

La **novedad científica** de este trabajo se fundamenta en la aplicación por vez primera y acorde con las últimas tendencias mundiales, de un método “*in silico*” para la descripción

en términos estructurales de la actividad analgésica. La utilización de esta metodología conlleva a un resultado final totalmente aplicable a la estrategia de trabajo de la unidad *CAMD-BIR* en su inmediato devenir, siendo también de posible utilización por otras instituciones científicas y académicas de Cuba cuyo principal objetivo sea la racionalidad en la obtención de nuevos potenciales candidatos a fármacos con actividad analgésica.

REVISIÓN BIBLIOGRÁFICA



1.1 Dolor

Se ha descrito el dolor como un enigma ambiguo, el compañero incesante de humanidad y fin ineludible. El dolor es una sensación y por tanto no puede ser medido; sólo uno mismo conoce cuánto le duele algo. Sin embargo, la importancia del dolor es tal que en la actualidad tiende a ser incorporada como la cuarta constante –unida a la temperatura, el pulso y la presión arterial – para saber el estado de un paciente. Su razón de existir es la de avisar al organismo sobre la presencia de problemas en algún nivel.^[2]

En efecto, cuando se está produciendo algún tipo de agresión o lesión en cualquier lugar de nuestra economía, unas terminaciones nerviosas especiales se encargan de dar la voz de alarma al sistema nervioso que es el controlador central del organismo.^[2]

El dolor es por tanto una vivencia personal imposible de transmitir. De ahí que la tolerancia al mismo varía mucho entre las personas e incluso en el tiempo. Dependiendo de las circunstancias un mismo sujeto puede reaccionar o aceptar de forma diferente la misma intensidad dolorosa. Todo dependerá de si está o no preparado para ello, de la velocidad de instauración o de la existencia o no de otros estímulos emocionales simultáneos.^[3]

El dolor es beneficioso porque nos alerta al daño inminente del ambiente. Nos protege de las temperaturas extremas, presión mecánica, y las heridas penetrantes. Más allá de este propósito de la advertencia, la experiencia de dolor involucra la percepción de dolor y las sensaciones asociadas, las reacciones emocionales afectan, y las contestaciones psicofisiológicas que resultan. El dolor es uno de los problemas del paciente que se encuentra de forma más frecuente, uno del más difícil de evaluar, y uno de los más inflexibles al tratamiento.^[2]

1.1.1 La apreciación global de vías de dolor

Normalmente se sostiene que el dolor es descubierto por los fines del nervio libres en la piel, el tejido y los órganos. Estos nociceptores son las fibras aferentes. Los nociceptores

responden a los estímulos mecánicos, termales, y químicos y lleva eléctricamente, estos estímulos, vía las neuronas sensorias al sistema nervioso central.^[2]

Los axones de estas neuronas son mielinizados (fibras delta-A) o amielínico (fibras C). Las fibras delta-A transmiten dolor rápido como pinchar o chamar. Las fibras C llevan impulsos asociados con el dolor lento, embotado, dolorido, y difundido. Cuando las fibras de dolor son estimuladas por estímulos nocivos, la información se envía al asta dorsal de la médula espinal o al tronco encefálico dónde se lleva entonces a los centros superiores en el cerebro.^[2]

En el pasado, la vía espinotalámico fue considerada la vía del dolor mayor. Aunque ésta es una vía de dolor importante, es ahora conocido que varias vías ascendentes están envueltas en el papel de dolor, incluso las vías espinoreticular y espinomesencéfalico. Además de estas vías, núcleos específicos del cerebro, como la formación reticular, la materia gris periacueductal, y el tálamo también son componentes de las vías del dolor.^[2] No todas las partes de nuestro organismo son capaces de generar sensaciones dolorosas. Sólo nos duelen aquellas zonas en las que existen terminaciones nerviosas con esta función específica. Por ejemplo, las vísceras huecas como el estómago, el intestino o la vejiga no tienen este tipo de inervación en su interior. Por eso una úlcera de estómago no tiene por qué doler. Todo cambia cuando el estímulo alcanza otras zonas donde sí existen nervios de este tipo, cuando la lesión alcanza este punto nos enteramos rápidamente.^[3]

1.1.2 Tipos de dolor

Al dolor se le pueden dar diferentes “apellidos” dependiendo de algunas de sus características. Se puede clasificar según la duración, la localización, su periodicidad, si responde o no responde al tratamiento etc.

- ❖ *Agudo-crónico:* depende de si el dolor tiene una duración corta (agudo) o lleva mucho tiempo (crónico). Por lo general un dolor de días/horas se considera agudo y si dura más de tres meses sería crónico. El primero suele ser más intenso y alarmante, mientras que segundo pierde su “función de alarma” ya que el paciente se acostumbra de algún modo a él.^[4] (Ver Tabla 1)
- ❖ *Sordo, pulsátil, lacerante:* Los dolores no son todos iguales. A veces es sordo, continuo, opresivo. Otros se definen como pulsátiles, como por ejemplo los causados por la migraña. Los que surgen por la afectación de los nervios suelen denominarse lacerantes.^[4]

Tabla 1. Diferenciación entre dolor agudo y crónica.^[2]

| | Dolor agudo | Dolor crónico |
|--|--|--|
| <i>Tiempo, curso,</i> | Transeúnte, dura menos de 6 meses; el dolor mengua mientras ocurre curación; tiene un fin. | Prolongado: dura más que 6 meses; puede ser que el fin no siempre está en la vista. |
| <i>Situación</i> | Localizado | Difuso-difícil a localizar |
| <i>Propósito</i> | Advierte del daño que amenaza o del daño real tisular | No sirve a ningún propósito; el dolor se vuelve la patología. |
| <i>Características</i> | Afilado, intensidad variada (leve a severo), puede radiar; viene y va de acuerdo con la patología. | Dolorido, urente, sordo, dando calambres, continuo, persistente; demora después de la recuperación de la herida/enfermedad. |
| <i>La contestación emocional a dolor</i> | Positivo: el dolor es experimentado en una base a corto plazo. | Negativo: el dolor no sirve a ningún propósito; el paciente se pone en aprieto emocional y puede experimentar alteraciones en el estilo de vida. |
| <i>Signos/síntomas</i> | Existe activación simpática (aumento de la tensión arterial, la taquicardia, la respiración aumentada; la diaforesis, la palidez, las pupilas dilatadas, el tono del músculo aumentado, la concentración aumentada, la ansiedad, la debilidad), la expresión facial. | La contestación es compensatoria (en la contestación simpática), perturbaciones del sueño, anorexia, apatía, cambio de personalidad (el enojo, retraimiento, la incapacidad, la hostilidad, la desesperación, la irritabilidad, la depresión). |

- ❖ *Contínuo-intermitente:* Mientras el continuo tiene la misma intensidad todo el tiempo, el intermitente (también denominado cólico) se caracteriza por ir aumentando y disminuyendo de intensidad. ^[4]
- ❖ *Refractario:* Es el que no responde al tratamiento habitual. En algunas ocasiones los calmantes no quitan el dolor, sólo disminuyen la intensidad del mismo. En otras, el analgésico quita el dolor pero éste vuelve al poco rato. ^[4]
- ❖ *Somático, visceral:* El somático es el que afecta a zonas muy superficiales, a las que llegan muchos nervios y se puede localizar perfectamente su situación. Se debe a estímulos químicos (quemaduras) o mecánicos (golpes) y proviene de músculos,

tendones, huesos, etc. Por su parte, el visceral es el que afecta a zonas profundas y no se localiza tan bien, pudiendo “reflejarse” en diferentes lugares alejados del sitio donde se origina el dolor.^[4] El dolor superficial es una contestación rápida a un ataque súbito, y el dolor profundo demora y duele.^[2]

- ❖ *Neuropático:* Causado por una afectación anatómica o metabólica de las fibras nerviosas nociceptivas.^[5] Suele ser un dolor de gran intensidad, que los pacientes definen a veces como calambres, o quemante. Es muy resistente a los tratamientos habituales y suele necesitar dosis altas de medicación o incluso medicinas especiales.^[4]
- ❖ *Nociceptivo:* se debe a la estimulación de receptores dolorosos o térmicos periféricos y es transmitido al sistema nervioso central por fibras nerviosas nociceptivas normales (ej., por traumatismo o quemadura). Para el tratamiento sintomático, responde a los analgésicos opiáceos.^[5]
- ❖ *Psicógeno:* se establece directamente en el SNC. responde al tratamiento adecuado de la afección que lo ocasiona.^[5]

El dolor no se puede medir, cada individuo lo nota de forma diferente, y lo que para unos es muy doloroso para otros no lo es. Existen escalas que permiten decir al paciente cuánto de grave es: del 1 al 10^[4]

1.2 Receptores opioides u opiáceos

En 1973, Snyder demostró que en el SNC de todos los vertebrados y también en ciertos órganos (por ej. el ileum) se encuentra un receptor (en realidad varios tipos de receptores) capaz de unirse específicamente con moléculas de analgésicos, marcadas con tritio para su seguimiento. El orden de potencia analgésica puede correlacionarse directamente con la constante de afinidad de esta unión fármaco-receptor reversible, lo que indica que el efecto farmacológico de los analgésicos está mediado por los receptores en cuestión.

La estereoselectividad de los diversos fármacos opiáceos, la extraordinaria potencia de algunos de ellos y las técnicas de fijación estereoselectiva, saturable y competitible demostraron la existencia de sitios de reconocimiento específicos que se denominaron receptores opioides.^[6]

Los estudios de unión han identificado los siguientes tipos de receptores:^[2, 6-8]

- (1) mu (μ)
- (2) kappa (κ)
- (3) sigma (σ)
- (4) delta (δ)
- (5) epsilon (ϵ).

Estos receptores pertenecen al grupo de los receptores de membrana asociados a proteína G. La analgesia ocurre con la interacción de los receptores μ y κ , mientras la disforia es asociado con la interacción con los receptores σ .^[2, 9]

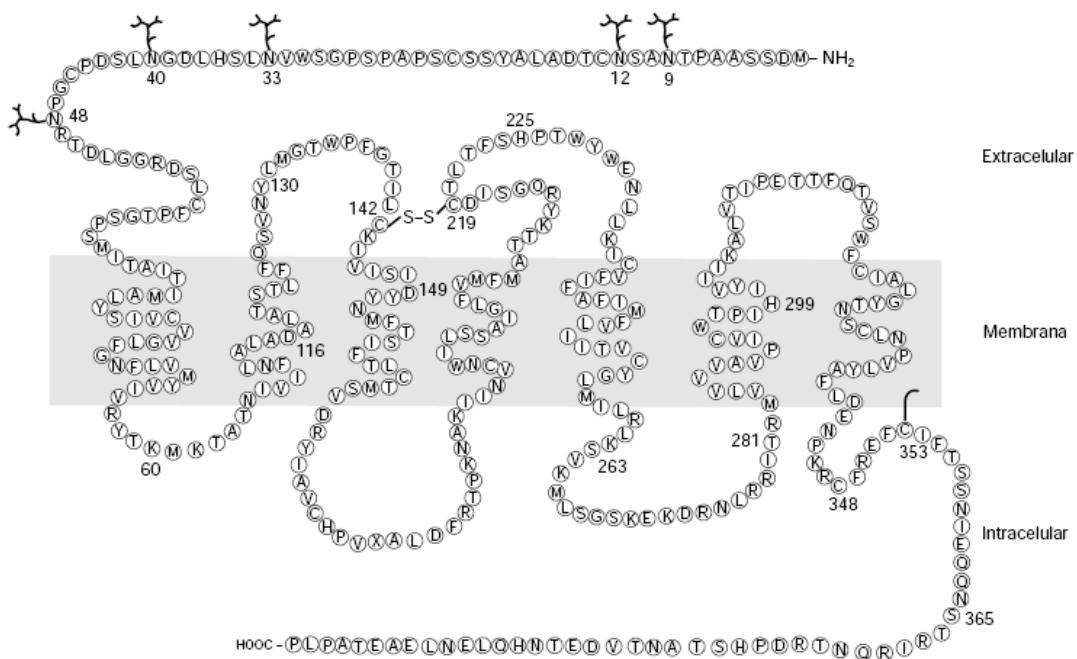


Fig. 1. Receptor opioide μ humano^[6]

Los receptores μ (Fig. 1) son responsables para la mayoría de los efectos producidos por analgésicos opioides, y para algunos efectos mayores no deseados (por ejemplo la depresión respiratoria, euforia, sedación y dependencia). La mayoría de los analgésicos opioides son agonistas del receptor μ . Los receptores δ son probablemente más importantes en la periferia, pero también pueden contribuir a la analgesia. Hay algunos agonistas δ -selectivo. Los receptores κ , por su parte, se relacionan con la analgesia al nivel espinal, y puede provocar sedación y disforia, pero producen relativamente pocos efectos no

deseados, y no contribuyen a la dependencia. Algunos analgésicos son relativamente κ -selectivo.^[8]

Los receptores opiáceos no sólo actúan recíprocamente con los fármacos opiáceos sino también con los péptidos endógenos.^[2] Hacia 1975 se supuso que estos ligandos endógenos eran periféricos y poco después se aislaron dos tipos de ellos las encefalinas y las endorfinas.^[10, 11]

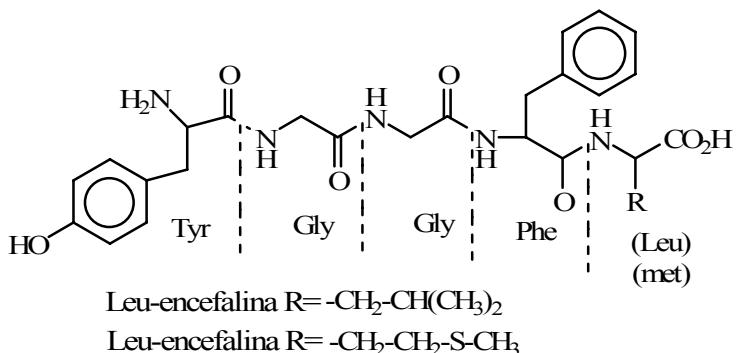


Fig. 2. Estructura de las encefalinas^[10]

Las encefalinas (Fig. 2) son pentapéptidos, la met-encefalina es idéntica a los restos 61-65 de la beta lipoproteína, una hormona pituitaria. Por otra parte, la beta-endorfina es un 32 péptido que presenta acción opiácea, se aísla de la pituitaria y comienza con la misma secuencia de aminoácidos Tyr-Gly-Gly-Phe-Met que existe en la met-encefalina. La beta-endorfina (Fig. 3) corresponde al fragmento 91-92 de las beta-lipotropina.^[10, 11]

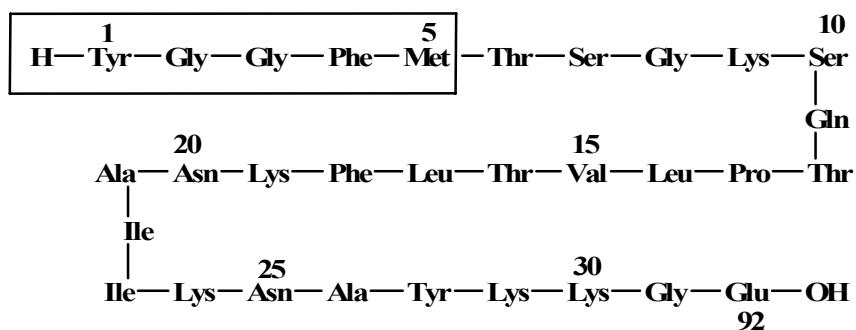


Fig. 3. Estructura de la beta-endorfina^[10, 11]

La evidencia acumulada en los últimos tiempos indica que las encefalinas son neurotransmisores inhibitorios presinápticos (Fig. 4).. Como otros neurotransmisores, se concentran en determinadas terminaciones nerviosas y se liberan bajo un impulso despolarizante; tras ejercer su acción en los receptores. Los péptidos de endorfina se

encuentran en el pituitario, mientras los péptidos de la encefalina se encuentran en el cerebro, médula espinal, médula suprarrenal, estómago, e intestinos. Se destruyen por una encefalinasa específica. En el SNC, las encefalinas actuarían como inhibidores de la liberación de noradrenalina y de sustancia P, a su vez neurotransmisores que actuarían como nexo en el impulso perceptivo del dolor.^[2, 10, 12, 13]

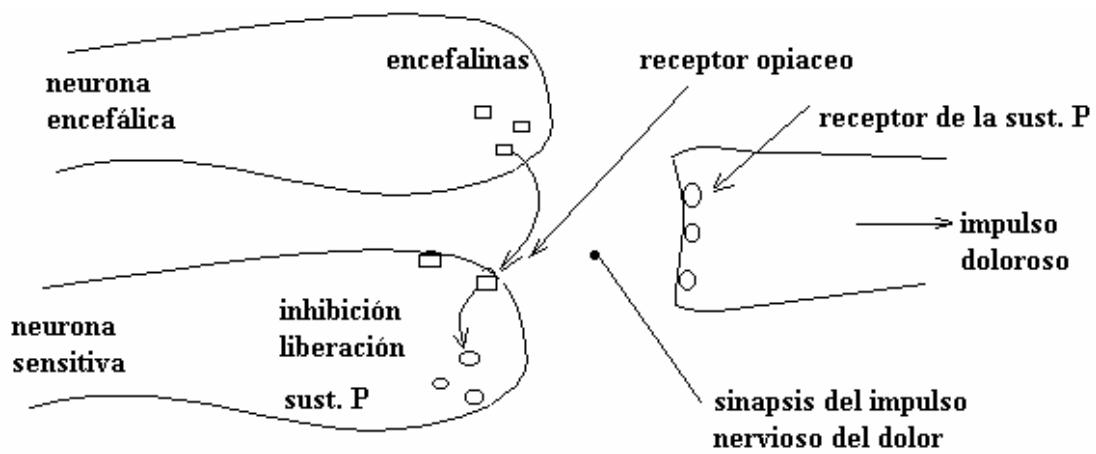


Fig. 4. Estructura de la sinapsis nerviosa mediada por encefalinas. ^[10]

Las clases de péptidos endógenos identificadas son el *encefalinas*, *endorfinas*, *dinorfinas* y últimamente los tetrapéptidos *endomorfinas* 1 y 2. Éstos péptidos semejantes a morfina modulan el dolor y sirven como los neurotransmisores. Cada tipo del péptido endógeno se encuentra en diferentes grupos neuronales. Los péptidos endógenos exhiben una variedad de afinidades por los diferentes tipos de receptores opiáceos.^[2, 6, 14]

El descubrimiento de los receptores opiáceos y su función fisiológica permite racionalizar en gran medida los conocimientos acumulados anteriormente de las REA en los fármacos analgésicos. Aunque los fármacos analgésicos que se emplean hoy en día proceden en su totalidad de la farmacomodulación de la morfina, el conocimiento de la estructura y propiedades de las encefalinas ha proporcionado una nueva cabeza de serie, esta vez fundamentada en estudios bioquímicos, para el diseño racional de fármacos opiáceos.^[10]

1.3 Fármacos Analgésicos

La palabra analgésico esta deriva de griego *an-*, "sin", y *-algia*, "dolor". Un analgésico es cualquier miembro del grupo diverso de fármacos utilizados para aliviar el dolor (logre la analgesia). La analgesia se caracteriza por una alteración en la respuesta de comportamiento frente al dolor y por una inferior capacidad para la percepción de los impulsos dolorosos sin pérdida de la conciencia. Los fármacos analgésicos actúan a nivel central y periférico para provocar una resistencia frente al dolor.^[15, 16]

1.3.1 Se clasifican en dos grupos:^[2, 17]

- Analgésicos opiáceos
- Analgésicos no opiáceos

1.3.1.1 Analgésicos opiáceos

En sentido genérico, todos los fármacos, naturales y sintéticos, de acción semejantes a la morfina se denominada opiáceos.^[7] La estereoselectividad de los diversos fármacos opiáceos, la extraordinaria potencia de algunos de ellos y las técnicas de fijación estereoselectiva, saturable y competitible demostraron la existencia de sitios de reconocimiento específicos: receptores opioides sobre los que actúan los mismos.^[6]

Se trata de compuestos pentacíclicos cuyos átomos se numeran y sus anillos se indican por letras tal como está señalado en la figura 5. Poseen cinco centros asimétricos (los carbonos 5, 6, 9, 13 y 14), donde los átomos 10 y 12 deben ser *cis* y por tanto, 1,3-diaxiales con respecto al anillo de piperidina (D): núcleo de fenatreno (Fig. 6)

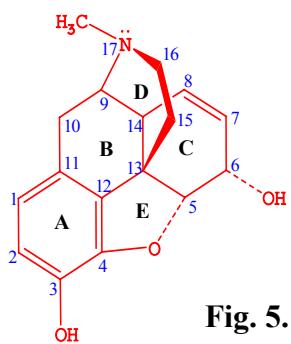
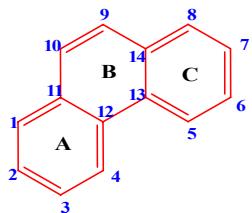
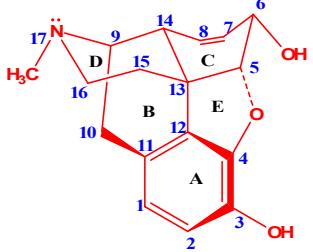


Fig. 5. Estructura de la morfina.

La morfina (Fig. 5) se denomina como 17-metil-7,8-didehidro-4,5 α -epoximorfínano-3,6 α -diol, donde el localizador " α " se refiere a una orientación *trans* del puente 15, 16, 17 con respecto al sistema de anillos ABC.

**Fig. 6. Estructura del fenantreno**

Los opiáceos son bases orgánicas (aminas) con valores de pK_a entre 8,5 y 9,5. Las bases libres son escasamente solubles en agua pero, en general, las sales son muy solubles en ella. Se cree que la forma no ionizada que se halla en equilibrio con la especie protonada (iónica) es la especie que atraviesa la barrera lipídica hematoencefálica. Se acepta también que los opiáceos interaccionan con su receptor en forma protonada.

**Fig. 7. Estructura de la morfina**

La forma de la molécula de morfina, prototipo de estos fármacos (Fig. 7), es similar a una “T” tridimensional, con los anillos A, B y E en un plano casi perfectamente vertical y los anillos C y D formando un plano horizontal, mas distorsionado. El anillo D se halla en una conformación de silla, mientras que el anillo C es un bote con los carbonos 6 y 14 en la proa y la popa. Los anillos A, B y E son rígidos. Podría existir cierta flexibilidad

conformacional en el anillo C, que en algunos análogos de la morfina se encuentra en la forma silla. Puesto que el grupo metilo es más voluminoso que un par de electrones libres o protonado, dicho grupo sobre el átomo de N se hallara predominantemente en posición ecuatorial, como se ha representado.^[15]

1.3.1.1 Clasificación de los fármacos opiáceos^[2, 11]

Se dividen en:

- a) Agonistas puros
- b) Agonistas-antagonistas mixtos
- c) Agonistas parciales
- d) Antagonistas puros

a) Agonistas puros: son los opiáceos que se comportan como agonistas muy preferentes y, en ocasiones, selectivos sobre receptores μ , mostrando la máxima actividad intrínseca. Pertencen a este grupo: *morfina, heroína, petidina, metadona, fentanilo y sufentanilo*.

b) Agonistas-antagonistas mixtos: en sentido estricto son los opioides capaces de actuar sobre más de un tipo de receptor opioide, concretamente μ . y κ , pero sobre el κ se comportan como agonistas mientras que sobre el μ lo hacen como agonistas parciales o incluso como antagonistas. Puesto que la analgesia se consigue tanto por activación μ como κ , estos fármacos serán analgésicos; en función de su actividad intrínseca sobre receptores μ , también deprimirán la respiración. Pero, si existe un agonista puro (μ), se comportarán como antagonistas, tanto más cuanto menor sea su actividad intrínseca sobre el receptor μ . El primer fármaco representativo de este grupo fue la *nalorfina*, que durante muchos años sirvió como antagonista en casos de sobredosificación de opiáceos. En la actualidad son analgésicos de este grupo *pentazocina*, *butorfanol* y *nalbufina*.

c) Agonistas parciales: son los opiáceos que actúan sobre receptores μ con actividad intrínseca inferior a la de los agonistas puros, de ahí que, en presencia de un agonista puro, puedan comportarse también como antagonistas. Esto ha añadido cierta confusión, de manera que algunos autores engloban a los agonistas parciales en el grupo de los agonistas-antagonistas mixtos. El fármaco más característico es *buprenorfina*.

d) Antagonistas puros: son opiáceos que tienen afinidad por los receptores opioides, pero carecen de actividad intrínseca. Su afinidad se extiende a los tres principales tipos de receptores opioides, si bien es mayor por μ que por κ y δ . Se caracteriza por *naloxona* y *naltrexona*.^[2, 6, 18]

1.3.1.1.2 Relaciones estructura-actividad

1 -La morfina como prototipo

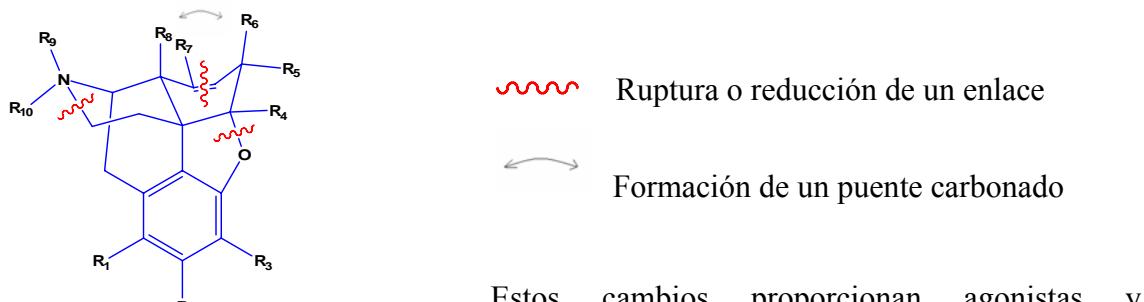


Fig. 8. Lugares de modificación del núcleo de la morfina.

~ la acción analgésica o antagonista

narcótica se da en los compuestos con un grupo 3-hidroxilo. La alquilación del grupo hidroxilo fenólico con lleva a la codeína que tiene una potencia analgésica mas débil, pero es mejor antitusivo que la morfina.

- ~ los análogos 6-O-metil, 6-O-acetil y 3,6-diacetil (heroína) son de 2 a 5 veces más potentes como analgésicos.
- ~ la eliminación del grupo 6-hidroxilo incrementa unas diez veces la potencia analgésica.
- ~ la oxidación del grupo 6-hidroxilo a la cetona reduce la potencia, esta misma transformación efectuada sobre los 7,8-dihidroanálogos suele incrementar la actividad.
- ~ la reducción del doble enlace en 7,8 tiene escaso efecto sobre la polaridad y sobre las actividades analgésicas y antitusiva.
- ~ el grupo hidroxilo en el C(14) incrementa ligeramente la potencia analgésico, y su acilación puede elevarla aún más.
- ~ la formación de un puente entre las posiciones C (6) y C (14) aumenta su potencia: etorfina (fig. 9).
- ~ la potencia y la estabilidad frente a las reacciones de transposición catalizadas por los ácidos, que conducen a compuestos inactivos o poco potentes, aumentan si se efectúa la reducción del doble enlace en los C (18) y C (19).
- ~ El análogo de la etorfina que carece del sustituyente sobre C (7) es más potentes que la morfina.
- ~ la potencia agonista y antagonista se afecta profundamente por la variación del sustituyente adicionado así como por la configuración absoluta en el C (1') (fig. 9). La configuración de la buprenorfina es la misma que la de la etorfina, pero el orden de prioridad para los átomos C (7) y C (2') cambia, con lo que la designación de C (1') es S y en la etorfina R. La buprenorfina es 50 veces más potentes que la morfina.

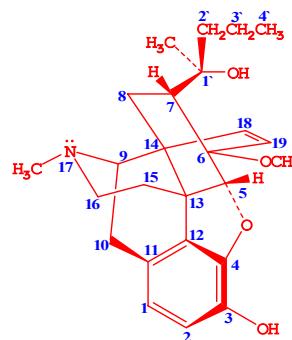
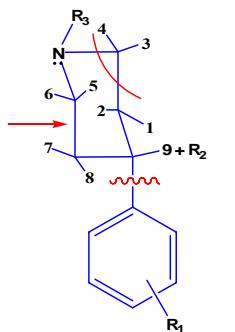


Fig. 9. Estructura de la etorfina

- ~ los análogos fenólicos son más potentes que los 3-O-metiléteres. La naloxona es al menos siete veces más potentes como antagonista que la nalorfina y la naltrexona tiene una potencia aproximadamente doble que la de la naloxona.
- ~ algunos análogos de esqueleto con un grupo N-metilo poseen efectos agonista-antagonistas mixtos. El antagonismo se halla asociado con la presencia de sustituyentes pequeños e insaturados (por ejemplo, alilo) sobre el átomo de nitrógeno, otros sustituyentes en la molécula o las modificaciones de esqueleto pueden también conducir al antagonismo o bloquearlo en una molécula que presente la sustitución clásica.^[10, 12, 13, 15]

Este grupo comprende morfina, codeína y tebaína. Los agonistas heroína (3,6-diacetilmorfina), dihidrocodeína, oximorfona y oxicodona, el agonista/antagonista mixto nalorfina (n-alilmorfina) y nalbufina. Los antagonistas puros naloxona (N-alilnoroximorfona) y naltrexona. El agonista puro etorfina, de gran potencia opiócea, la ciprenorfina, el antagonista diprenorfina y el agonista parcial buprenorfina.^[6, 7, 15]

2 -La 4-fenilpiperidina como prototipo



1-8

- Contracción del anillo
- Expansión de anillo
- Inserción de átomos entre anillos y translocación de los sustituyentes en C (4) a otras posiciones del anillo de piperidina.
- Restos alquilo y puentes 1,3-diaxiales o 1,2-diecuatoriales en las posiciones 3-9, 3-5, 6-8, 1-4, etc., o en el confórmero Ph-a.

Fig. 10. Puntos de modificación del prototipo fenilpiperidina

El interés por este (fig. 10) prototipo se ha mantenido a bien nivel durante 40 años. Retrospectivamente, su relación con la molécula de morfina resulta evidente. Los confórmeros con el grupo fenilo axial (Ph-a) y ecuatorial (Ph-a) pueden superponerse a la morfina de tres formas distintas como aparece en la figura. 11.

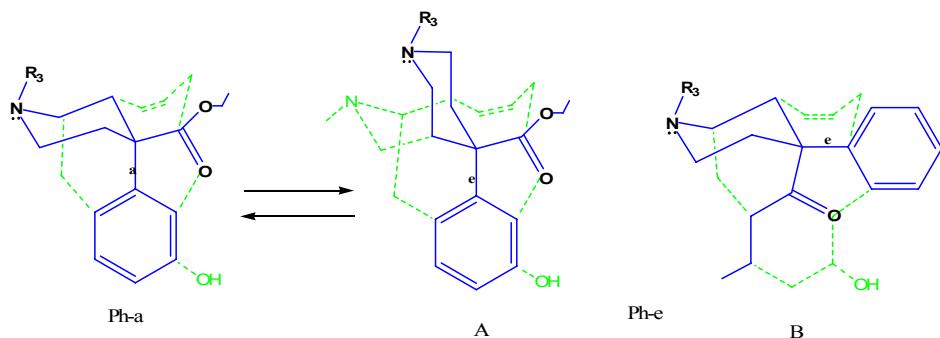


Fig. 11. Posibles orientaciones relativas entre la morfina y la petidina^[15]

El núcleo de la morfina se ha representado con líneas de puntos para mostrar la orientación relativa en cada caso. La población de la conformación Ph-a, en equilibrio con la Ph-e, es baja; por este motivo, no se considera que esta conformación sea un factor importante a la hora de la actividad biológica, a pesar de que resulta superponible con la morfina de un modo más completo que el confórmero Ph-e. De las dos posibles orientaciones del confórmero Ph-e relativas a la morfina, solamente la designada como A se considera significativa desde el punto de vista biológico. Aquellos fármacos que pueden superponerse a la morfina, dentro de los límites que veremos, es probable que posean una actividad analgésica significativa.

- ~ la petidina (meperidina) es una simplificación de los benzomorfanos por abertura del anillo B de la morfina conservando el anillo A aromático y el D nitrogenado. Es 1/8 de la potencia de la morfina.
- ~ la variación del sustituyente sobre el átomo de nitrógeno provoca profundos cambios en la potencia. La presencia de un grupo fenetilo (fenoperidina) o similar (anileridina y piminodina) da lugar, como regla general, a un aumento de la potencia.
- ~ la fenoperidina y su análogo con el grupo éster invertido se encuentran entre los fármacos más potentes de la serie.
- ~ la conversión del grupo carbetoxi de la petidina en un grupo propionoxi eleva la potencia entre dos y cuatro veces.
- ~ esta modificación, simultaneada con la incorporación de sustituyentes C-alquilo (1-8, fig.10) aumenta la potencia 30 veces o bien hace que el análogo sea inactivo o

muy débil, según la naturaleza del sustituyente o sustituyentes, su posición o posiciones sobre el anillo y la configuración absoluta del compuesto resultante.

- ~ los análogos de la petidina con el grupo éster invertido y metilados en la posición 3 son analgésicos potentes.
- ~ los análogos que carecen de un sustituyente éster o relacionado sobre la posición C (4) son analgésicos débiles o inactivos.
- ~ la introducción de un átomo de nitrógeno neutro (de amida) entre los anillos y la extensión en el átomo de nitrógeno piperidínico proporciona el fentanilo (fig. 12), que es más activo que la petidina y la morfina.
- ~ la amplificación del anillo de piperidina dio lugar a compuestos con actividad analgésica menor de la codeína.
- ~ la contracción de anillo a 3-fenilpirrolidinas da lugar a una pérdida de la actividad analgésica.
- ~ la presencia de un sustituyente oxigenado en meta y de un grupo 4-alquilo en lugar de un 4- éster o de una 4-cetona da lugar al carácter antagonista en este prototipo. [10, 12, 13, 15, 19]

Los compuestos representativos son los agonistas petidina (antes denominada meperidina) y fenopiridina, otros utilizados como antidiarreicos: loperamida y difenoxilato y el analgésico menor tilidina. El 1,2- y 1,3-diamina serie muestra extraordinaria potencia morfinomimética; sus principales representantes son el fentanilo (fig. 12) y el sufentanilo.^[6, 15]

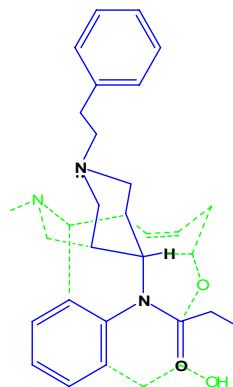


Fig. 12.
Estructura del
fentanilo

3 -La fenilpropilamina como prototipo

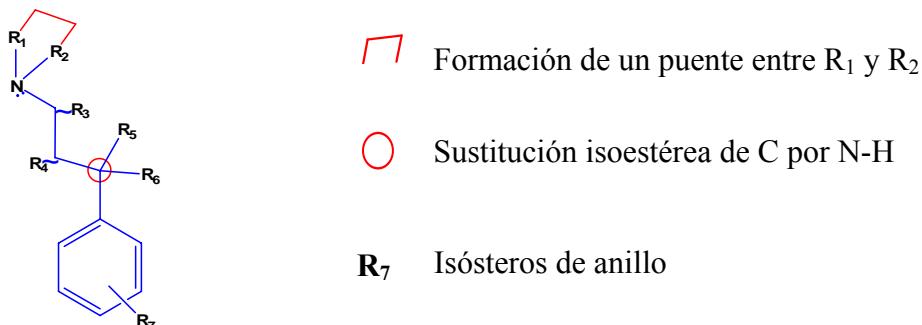


Fig. 13. Lugares de modificación del prototipo fenilpropilamina.

Las fenilpropilaminas (fig. 13) son los prototipos de analgésicos más flexibles desde el punto de vista conformacional. Las modificaciones estructurales del prototipo proporcionan compuestos clínicamente útiles con una potencia entre 1/6 a 13 veces la de la morfina. Algunos de los análogos se emplean en los programas de mantenimiento y desintoxicación de drogadictos. No se han descubierto antagonistas que pertenezcan a esta serie.

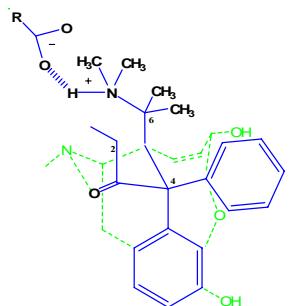


Fig. 14. Estructura de la metadona.

La metadona (fig. 14) es un analgésico que posee una acción más prolongada que la morfina y aproximadamente es equipotente con ella.

- ~ la incorporación del átomo de nitrógeno a un anillo (fenadoxona), la sustitución isoestérica del C=O por O-S-O, y la sustitución isoestérica de los anillos bencénicos por otros de tiofeno proporciona analgésico activos.
- ~ los enantiómeros más activos tienen todos la configuración R en la posición 6 (fig. 14).
- ~ el metilo en la posición 6 (fig.13) proporcionan compuestos más potentes y también más tóxicos. El carbonilo no es imprescindible para la acción analgésica.^[10, 12, 13, 15]

Este grupo de fármacos comprende la metadona, L α -acetilmorfano y el analgésico menor dextropropoxifeno.^[6, 15]

4 -La morfinano como prototipo

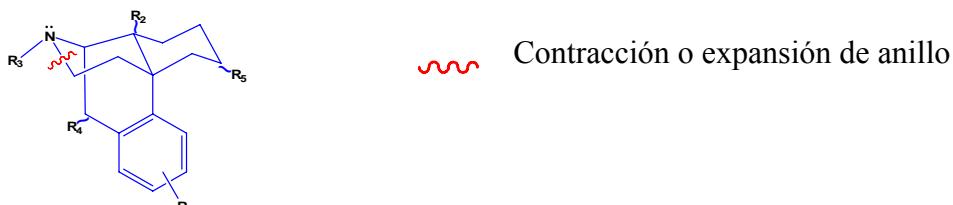


Fig. 15. Lugares de modificación de la metorfano

La eliminación del anillo E se corresponde con la mayor simplificación posible del esqueleto de la morfina. Las modificaciones estructurales que se han efectuado sobre el prototipo del metorfano (fig. 15) han proporcionado antitusivos puros y muy potentes, antagonistas-agonistas mixtos con escasa capacidad de dependencia y depresión respiratoria, así como agonistas que provocan estos efectos secundarios, en un grado similar al de la morfina. Algunas modificaciones estructurales incluyen:

- ~ la incorporación de un grupo 3-hidroxilo de lugar al levorfanol, que es unas cinco veces más potentes que la morfina.

- ~ la metilación del OH fenólico en C (3) reduce la potencia analgésica pero no la antitúsiva (analogía con el paso de morfina a codeína).

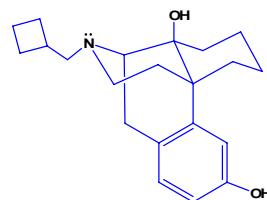


Fig. 16: Estructura del butorfanol

- ~ la hidroxilación en C (14) da potentes analgésicos y la introducción de sustituyente alilo, fenetilo o cicloalquilmetilo en el átomo de N origina fármacos con propiedades antagonistas. Por ejemplo tanto el levalorfanol como el butorfanol (fig. 16) son agonistas-antagonistas mixtos (analogía con la nalorfina).^[10, 15, 19]

Como representantes se encuentran el agonista levorfán, el antagonista levalorfán (N-alil-levorfán) y el agonista/antagonista mixto butorfanol. El dextrorfán es un estereoisómero del levorfán que carece de actividad opioide.^[6, 15]

5 -El morfano como prototipo

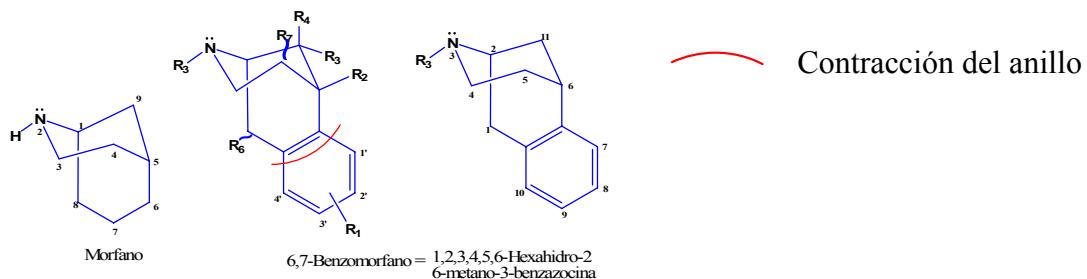


Fig. 17. Lugares de modificación de prototipo del la morfano

Debido a que el núcleo del morfano es a la vez una perhidroazocina con puente, se han desarrollado dos sistemas de nomenclatura y de numeración para los derivados aromáticos relacionados con la morfina (fig. 17). En este trabajo se emplea la nomenclatura de 6,7-benzomorfano. Las modificaciones proporcionan fármacos agonistas y agonistas-antagonistas mixtos con escasa capacidad de dependencia.

- ~ se observa frecuentemente antagonismo con N-metilanálogos.
- ~ el grupo 2'-hidroxilo es imprescindible para su actividad analgésica.
- ~ las variantes con metilo, etilo y propilo en C (5) y C (9) proporcionan los perfiles farmacológicos más singulares en todos los opiáceos ya estudiados. Por ejemplo el β -metazocina (fig. 18).

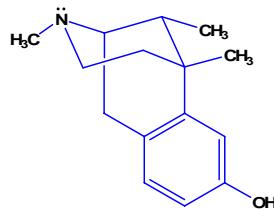


Fig. 18. Estructura del la β -metazocina

- ~ los isómeros 5-n-propil-9-metil sustituidos presenta capacidad de dependencia. El diastereómero β ($R_4=H$) tiene una fuerte capacidad de producir dependencia, mientras que en el α ($R_3=H$) esta capacidad es baja.
- ~ la N-alilnor- β -metazocina, ciclazocina, es tan potente como la naloxona y unas 20 veces más activa que la morfina pero origina disforia grave.
- ~ en el derivado dimetilalílico pentazocina, la disforia es mínimo. Su potencia es 1/3 la de la morfina y tiene una acción más breve que la morfina y su capacidad de dependencia es baja.

- ~ la introducción de un grupo 9 β-hidroxilo en la pentazocina y la ciclazocina proporciona antagonistas más potentes.
- ~ un grupo hidroxilo en 9 α no tiene efecto sobre la potencia antagonista.^[10, 15]

Los compuestos principales son los agonistas/antagonistas mixtos pentazocina, ketociclamazocina y ciclazocina.^[6, 15]

6 -Las encefalinas (péptidos) como prototipo

Se ha propuesto que en las encefalinas, el resto aromático de los aminoácidos tirosina y fenilalanina resultaría comparable a los centros lipófilos de los analgésicos morfínicos, mientras que el NH₂ terminal correspondería al grupo amino de estos. En el extremo –COOH habría mayor flexibilidad pudiendo sustituirse por otros grupos polares (amida, ester, alcohol etc.) sin pérdida de la actividad. Así mismo, se ha postulado que el resto fenólico de la tirosina (que no puede sustituirse por fenilalanina) equivale a los anillos fenólicos comunes a la morfina y muchos morfínicos, benzomorfinas y bemidonas.

En cambio, la petidina enlazaría su anillo aromático no hidroxilado en la zona de unión de la fenilalanina de las encefalinas (cuya sustitución por tirosina también reduce la acción). Existen evidencias de que la N-alil-leu-encefalina se comporta como un antagonista de los narcóticos, en un paralelismo de lo encontrado en los N-alilderivados de agonistas fenólicos.^[10, 12, 13]

7 -Estructuras relacionadas

Se encuentran compuestos que presentan actividad analgésica pero no puede ser ubicados en uno de los prototipos clásicos. En este grupo se destacan dezocina (aminotetralina) tramadol (ciclohexano) y meptazinol (hexahidroazepina).^[6, 15]

1.3.1.1.3 Mecanismo de acción de los fármacos analgésico opiáceo

La analgesia inducida por los opioides se debe a sus acciones en diferentes sitios del sistema nervioso central (SNC) y también se han identificado sitios espinales y múltiples sitios supraespinales.^[7, 20]

Los sitios primarios que producen efectos farmacológicos de analgésico opiáceo en el cuerpo son aquéllos en el cerebro que es responsable para el dolor y reacciones psicológicas a sitios de dolor que también tienen una afinidad alta por los analgésicos opiáceos y concentraciones altas de péptidos endógenos (endorfinas). A través del sistema endorfina endógeno, el cuerpo puede liberar estos péptidos selectivamente en contestación

a dolor. Los analgésicos opiáceos imitan la acción de estas endorfinas ligando con sus receptores. La persona es consciente de dolor pero declara que su intensidad no molesta más. Los analgésicos opiáceos inhiben el disparo neuronal a áreas específicas del cerebro, disminuyendo en consecuencia el descargo de ciertos neurotransmisores. El descargo del transmisor es asociado con la entrada del calcio en la neurona. Esta acción altera activación de sitios postsinápticos.^[2, 18]

1.3.1.1.4 Efectos Adversos

Los analgésicos opiáceos son eficaces para aliviar el dolor moderado o intenso, sobre todo de origen visceral. La administración repetida puede producir dependencia y tolerancia, pero esto no debe ser considerado en el control del dolor para enfermedades terminales como cáncer. Su uso regular también puede ser adecuado en algunos casos de dolor no oncológico, pero se requiere vigilancia especializada. Con dosis habituales, los efectos adversos frecuentes son náusea, vómitos, estreñimiento y somnolencia; dosis más altas se asocian a depresión respiratoria e hipotensión.^[14, 17, 18, 21]

La morfina y la mayoría de los agonistas puros, agonistas-antagonistas mixtos y agonistas parciales son considerados *opiáceos mayores* porque llegan a aliviar o suprimir dolores agudos de gran intensidad: dolores del postoperatorio, parto, cuadros abdominales agudos, traumatismos, cólicos renales y biliares, infarto de miocardio y angina inestable. Lo mismo sucede con los dolores crónicos intensos que acompañan tan frecuentemente el crecimiento y la evolución de las neoplasias.^[6]

1.3.1.2 Analgésicos no opiáceos

Se clasifican en:^[14, 16, 17, 22]

- Antiinflamatorios no esteroides (AINEs)
- Paraaminofenoles

1.3.1.2.1 Antiinflamatorios no esteroides (AINEs)

Representan un grupo de medicamentos muy ampliamente utilizados en todo el mundo y comparten tres acciones que los definen analgésico, antipirético y antiinflamatorio. Los AINEs constituyen un grupo heterogéneo de compuestos, con frecuencia no relacionados químicamente (aunque muchos de ellos son ácidos orgánicos). A una dosis completa regular, tienen un efecto analgésico y antiinflamatorio duradero, por lo que están indicados en el dolor continuo y regular secundario a inflamación.^[17, 23]

1.3.1.2.1.1 Clasificación de los AINEs^[22, 24, 25]*a) Ácidos*

- ❖ Salicílico: Ácido acetilsalicílico (aspirina), Diflunisal
- ❖ Enólicos
 - Pirazolonas: Metamizol (dipirona)
 - Pirazolidindionas: Fenilbutazona
 - Oxicams: Piroxicam, Meloxicam, Tenoxicam
- ❖ Acético
 - Indolacético: Indometacina, Acemetacina,
 - Pirrolacético: Ketorolaco, Sulindaco, Ketorolaco
 - Fenilacético: Diclofenaco, Aceclofenaco
 - Piranoindolacético: Etodolaco
- ❖ Propiónico: Naproxeno, Ibuprofeno, Fenoprofeno, Ketoprofeno, Flurbiprofeno, Ácido tiaprofénico
- ❖ Antranílico: Ácido mefenámico

b) No ácidos

- ❖ Sulfoanilidas: Nimesulida
- ❖ Alcanonas: Nabumetona

c) Otras

- ❖ los inhibidores de la COX-II: Celecoxib (celebrex), Valdecoxib

1.3.1.2.1.2 Relación estructura-actividad (REA)

Los AINEs son generalmente ácidos, que presentan en su estructura grupos carboxílicos que le da acidez a la molécula y algún anillo aromático. Son lipofílicos un elevado grado de unión a las proteínas plasmáticas.^[24]

1.3.1.2.1.3 Mecanismo de acción de los fármacos AINEs

La actividad analgésica de los AINEs es de intensidad moderada o media, alcanzándose un techo analgésico claramente inferior al de los analgésicos opioides, pero frente a éstos presentan la ventaja de no alterar el sensorio o la percepción, lo cual redunda, en conjunto, en una utilización clínica menos comprometida. Aunque no hay una hipótesis unitaria, se proponen, entre otros, los siguientes mecanismos de acción central:

- ❖ inhibición de la síntesis de PG a nivel espinal y cerebral, producidas como consecuencia del aumento de la actividad neuronal en respuesta a la estimulación de aferencias nociceptivas periféricas;
- ❖ incorporación a la membrana plasmática, modificando su viscosidad e interfiriendo en la generación de las señales de transducción dependientes de proteínas G;
- ❖ activación de vías serotoninérgicas descendentes que participan en la inhibición de la información dolorosa en el asta posterior de la médula espinal;
- ❖ *down-regulation* del sitio modulador redox del complejo receptor NMDA-canal iónico, y
- ❖ abolición de la inducción por aminoácidos excitatorios de genes de expresión inmediata. [11, 23, 25]

1.3.1.2.1.4 Efectos adversos

Las diferencias de actividad antiinflamatoria entre los diferentes AINEs son pequeñas, pero existe una gran variabilidad en la respuesta de cada paciente y en la incidencia y tipo de efectos adversos. El efecto indeseable más frecuente, que tienen en común los AINEs, es una propensión a inducir úlceras gastroduodenales y nefotoxicidad. Los efectos menos frecuentes son generalmente gastrointestinales como náuseas, diarrea, vómitos y dispesia. Se han descrito reacciones de hipersensibilidad, como anafilaxia, broncospasmo y erupción cutánea; así como retención de líquidos. En situaciones de hipotensión, hipovolemia, lesión renal previa, síndrome ascítico-edematoso, insuficiencia cardíaca, deshidratación, ancianos, etc., el uso de AINES puede agravar o desencadenar insuficiencia renal aguda. [17, 23, 26]

1.3.1.2.2 Paraaminofenoles

Son derivados de la anilina. De todos ellos, el más utilizado es el paracetamol o acetaminofén, metabolito activo de la fenacetina, retirada hace años del mercado por su asociación con la nefropatía analgésica. El propacetamol es un profármaco hidrosoluble del paracetamol que permite administrarlo en solución salina IV. La fenazopiridina, que también pertenece a este grupo, en virtud de su elevada eliminación renal en forma activa se utiliza en el tratamiento sintomático de cistitis, prostatitis y uretritis. El paracetamol en sentido estricto no es un AINEs, ya que carece, al menos desde un punto de vista clínico, de actividad antiinflamatoria. Sin embargo, posee eficacia antitérmica y analgésica

comparable a la del ácido acetil salicílico aunque, obviamente, es menos eficaz que éste en dolores de origen inflamatorio. [25]

1.3.1.2.2.1 Mecanismo de acción del paracetamol

Inhibir poco la biosíntesis de las prostaglandinas (PG) en el SNC, y en conexión con dicha acción o no, el paracetamol produce analgesia por otros mecanismos centrales, como: inhibición de la hiperalgesia espinal, interacción con sistemas neuronales que liberan óxido nítrico o facilitan la transmisión inhibidora serotoninérgica bulbospinal. [25]

La acción antipirética es causada por la inhibición de las neuronas hipotalámicas relacionadas con la regulación de calor. [26, 27]

1.3.1.2.2.2 Relación estructura-actividad (REA)

La actividad antipirética reside en la estructura del aminobenzeno. La introducción de otros radicales en el grupo hidroxilo del paraaminofenol y en los grupos amino libres de la anilina reduce la toxicidad sin pérdida de la acción antipirética. [26]

1.3.1.2.2.3 Efectos adversos

El riesgo de producir complicaciones gastrointestinales (GI) es bajo. Las alteraciones hepáticas suelen ser raras y generalmente leves. Aunque raramente, se ha descrito erupción cutánea y alteraciones hematológicas. Es un fármaco muy seguro, sin embargo si se exceden la dosis máxima recomendada al día se incrementa el riesgo de necrosis hepática potencialmente fatal y con menor frecuencia necrosis renal. Presenta poco riesgo de reacciones cruzadas. Pueden producir nefotoxicidad. La ingestión duradera y excesiva de mezclas analgésicas que lo contienen junto con otros compuestos, como salicilatos, puede ocasionar necrosis papilar y nefritis intersticial. [17, 23]

En conclusión la selección de un analgésico, la vía de administración, la forma, las dosis y el ritmo de dosificación varían extraordinariamente según la situación que se deba tratar (aguda o crónica), el estado del paciente, la tolerancia desarrollada, así como de los efectos adversos y las contraindicaciones de cada fármaco. Los opiáceos resuelven los dolores agudos en patologías importantes con el cáncer, sin embargo, posee reacciones adversas considerables. Los AINEs representan una alternativa en el caso de dolores crónicos, por lo que resulta necesario llegar a un compromiso. Todo ello condiciona el esquema terapéutico, pero, en principio, el alivio del dolor es un deber, si bien nunca debe servir para oscurecer o hacer olvidar un diagnóstico etiológico. [5, 6]

MÉTODO COMPUTACIONAL Y ANÁLISIS QUIMIOMÉTRICO DE LOS DATOS

2

Los estudios QSPR/QSAR constituyen un enfoque que permite entender como la variación estructural afecta la propiedad/actividad biológica de un conjunto de compuestos. En estos estudios, los *descriptores moleculares* (*X*) (*los descriptores moleculares son ‘términos que caracterizan un aspecto específico de una molécula’ y contienen información derivada de la representación estructural de las moléculas bajo estudio*)^[28, 29] se correlacionan con una variable respuesta (*Y*). Es decir, este análisis puede definirse como una aplicación de métodos matemáticos y estadísticos al problema de encontrar una ecuación empírica de la forma $Y_i = f_i(X_1, X_2, \dots X_n)$, donde Y_i son las propiedades y/o actividades biológicas de la molécula, y $X_1, X_2, \dots X_n$ son propiedades estructurales experimentales o calculadas (*descriptores moleculares*) de los compuestos. En este sentido, cada compuesto puede representarse como un punto en un espacio multidimensional, en los cuales los descriptores $X_1, X_2, \dots X_n$ son coordenadas independientes del compuesto. El objetivo más usual de este análisis es incrementar el entendimiento del sistema biológico bajo investigación o predecir la propiedad estudiada a un objeto (compuesto) no utilizado en la obtención del modelo.

En la actualidad, existe un gran número de *descriptores moleculares* (DMs) que pueden ser usados en estudios QSAR.^[30] La naturaleza de los DMs, depende de cual haya sido el proceder utilizado para la definición de los mismos, pudiendo tener en cuenta rasgos topológicos (que aquí llamaremos bidimensionales o 2D), geométricos (3D), y electrónicos de las moléculas. En el presente trabajo se utilizaron para la parametrización de la estructura molecular los índices no estocásticos y estocásticos basados en relaciones entre núcleos atómicos. Estos índices moleculares serán descritos a continuación.

Posteriormente se describirán de forma resumida los aspectos fundamentales de las técnicas quimiométricas empleadas para el desarrollo de los modelos QSAR. El término

quimiometría, surgió en la década del 70 y se define como la disciplina química que utiliza métodos estadísticos y matemáticos para seleccionar y optimizar los métodos analíticos y preparativos, así como procedimientos para el análisis e interpretación de los datos.^[31]

Antes de comenzar a describir el método computacional utilizado en el presente trabajo, daremos una breve introducción a las generalidades de la metodología QSAR, los que serán utilizados en el desarrollo de esta tesis y que son imprescindibles para la comprensión de los resultados tanto de la literatura como los alcanzados en el presente trabajo.

Los principios de la metodología QSAR pueden describirse mediante los siguientes pasos comunes:^[32]

- 1) *Formulación del problema*, se determina el objeto de análisis y el nivel de información requerido.
- 2) *Parametrización cuantitativa* de la estructura molecular de los compuestos químicos orgánicos/secuencia de biopolímeros.
- 3) *Medición de la propiedad* de interés ('efectos biológicos').
- 4) Escoger el *tipo de modelo QSAR* que se va a desarrollar.
- 5) *Selección de los compuestos* (diseño estadístico de la serie).
- 6) *Análisis matemático* de los datos y *Validación* interna y externa de los modelos obtenidos.
- 7) *Interpretación* de los resultados y *Aplicación* de los modelos desarrollados al diseño/descubrimiento de un nuevo compuesto líder, desarrollando procedimientos de tamizaje virtuales.

Sin embargo, el desarrollo de cualquier QSAR es un ciclo interactivo.

Utilizando este procedimiento se han desarrollado un gran número de investigaciones en todo el mundo. No obstante, las aplicaciones de los DMs han estado dirigidas fundamentalmente hacia la predicción cuantitativa de propiedades físico-químicas y biológicas de compuestos orgánicos, en estudios que se han denominado QSPR y QSAR, respectivamente. Esta división, no es solo formal, porque aunque el método en ambos tipos de estudio es similar, por lo general, la actividad biológica es una propiedad mucho

más compleja que las propiedades físico-químicas, debido a la gran cantidad de factores que influyen en la bio-actividad de un compuesto químico.

La aplicación de los DMs al diseño y selección de nuevas entidades químicas es probablemente una de las áreas más activas de investigación en la aplicación de tales DMs a problemas biológicos. Uno de los primeros ejemplos del diseño de nuevos compuestos en el uso de índices moleculares, fue descrito por la Upjohn & Pharmacy en 1993. Ellos fueron capaces de diseñar una nueva clase de compuestos de la familia de las heteropiperazinas con actividad contra la HIV-retrotransferasa.^[33-35] Más recientemente, Grassy y col. fueron capaces de diseñar y sintetizar un péptido que mostró una actividad inmunosupresora aproximadamente 100 veces mayor que los compuestos líderes ensayados^[36].

2.1 Método Computacional

En esta sección describiremos de forma resumida los aspectos fundamentales de los DMs 2D (bi-dimensional), implementados en el programa *TOMOCOMD-CARDD*, que fueron utilizados en este trabajo. Una discusión más extensa sobre el formalismo matemático de estos DMs puede ser revisada en la literatura internacional que se refiere^[37].

Este método codifica la estructura molecular a través de aplicaciones matemáticas denominadas formas lineales. Con el propósito de calcular estas funciones algebraicas basadas en relaciones de núcleos atómicos, el *vector molecular basado en átomos*, \bar{x} (representación vectorial de la estructura molecular) y las k -ésimas *matrices de densidad electrónica grafo-teóricas no estocásticas y estocásticas*, M^k y S^k , respectivamente (representación matricial de la estructura molecular) deben ser calculadas.^[37] Tales relaciones de adyacencia entre núcleos atómicos (compartimiento de electrones de la capa de valencia) y codificación de la información química son utilizados en la obtención de la familia de DMs utilizados en el presente trabajo tal y como describiremos a continuación.

2.1.1 Descriptores *TOMOCOMD-CARDD* Basados en Relaciones entre Núcleos Atómicos

2.1.1.1 Información Química y Vector Molecular Basado en Átomos

El vector molecular basado en átomo (\bar{x}), usado para representar las moléculas químicas, ha sido explicado en detalle en diferentes publicaciones internacionales. Los componentes

(x) de \bar{x} son valores numéricos de una propiedad que caracteriza cada tipo de átomo (núcleo atómico) presente en la molécula. Es decir, estos valores (pesos o etiquetas de átomo) corresponden a diferentes propiedades atómicas. Por tanto, una molécula constituida por 5, 10, 15,..., n núcleos atómicos puede ser representada por medio de vectores con 5, 10, 15,..., n componente, perteneciendo a los espacios vectoriales \mathbb{R}^5 , \mathbb{R}^{10} , \mathbb{R}^{15} ,..., \mathbb{R}^n , respectivamente; donde n es la dimensión del conjunto de los reales. O sea, \bar{x} es un vector n -dimensional.

Diversos tipos de “pesos atómicos” (x) pueden ser utilizados para codificar información relacionada con cada núcleo atómico en la molécula. Estas etiquetas de átomo son números con un significado o interpretación química, tales como el Log P atómico,^[38] la contribución a la superficie polar de los átomos,^[39] la refractividad molar atómica,^[40] las polarizabilidades atómica (P),^[41, 42] las cargas atómicas de Gasteiger-Marsilli,^[43] las masas atómicas (M),^[42] los volúmenes de van der Waals (V), la electronegatividad en la escala de Pauling (E),^[44] entre otras.

2.1.1.2 “Background” Sobre las Matrices de Densidad Electrónica Grafo-Teóricas No Estocásticas y Estocásticas.

En topología molecular, la estructura química es expresada, generalmente, por un grafo molecular con hidrógenos suprimidos. Informalmente, un grafo molecular \mathbf{G} esta constituido por una colección de vértices (puntos) y otra de aristas (líneas o enlaces) conectando estos vértices.^[45, 46] En términos matemáticos, un grafo simple \mathbf{G} es definido como $\mathbf{G} = (V, E)$.^[47, 48] El número de vértices en un grafo es designado como n y el número de aristas por m . Otra de las formas de definir un grafo es la siguiente: consideremos un conjunto no vacío $V = \{v_i / i = 1, 2, \dots, n\}$, un conjunto no vacío $E = \{e_i / i = 1, 2, \dots, m\}$ y una aplicación θ , la cual asocia a cada elemento de E con un par no ordenado de elementos de V . Esta aplicación es denominada la aplicación de incidencia asociada con un grafo y le da singularidad al grafo para un conjunto V dado. Por tanto, para cada e_i existe un par no ordenado $[v_i, v_j]$ tal que $\theta(e) = [v_i, v_j]$. En este caso los dos conjuntos E y V junto con la aplicación θ forman un grafo.

Si en \mathbf{G} hay pares repetidos (aristas múltiples, o sea vértices que están unidos por más de una arista), entonces el grafo G se llama *grafo con aristas múltiples* o *multigrafo*. Las aristas de la forma $\{v_i, v_i\}$, se denominan *lazos* o *bucles*. Si en G hay lazos (pueden

también existir aristas múltiples), entonces el grafo G se llama *grafo con lazos* o *pseudografo* (Fig. 19).^[46, 48, 49]

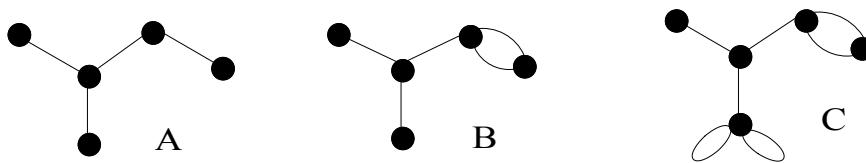


Fig. 19 A) Grafo simple; B) Multigrafo; y C) Pseudografo.

A continuación relacionaremos una serie de definiciones sobre los términos más utilizados en los grafos moleculares, los cuales son muy útiles para describir varias características estructurales de estos.

Si $a_k = \{v_i, v_j\}$ es una arista, entonces los vértices v_i, v_j , se llaman extremos de la arista a_k .

Si los vértices v_i y v_j son los puntos finales de e_i se denota como $e_i \sim [v_i, v_j]$, lo que se lee como ‘ e_i es *incidente* con v_i y v_j ’ (enlace que los une).

Los vértices v_i, v_j se llaman *adyacentes* si existe una arista a_k tal que $a_k = \{v_i, v_j\} \in V$, (o sea, si existe una arista que los une). Dos aristas se denominan *adyacentes* si ellas tienen un vértice en común.

En un multigrafo, el *grado del vértice* v_i [$\delta(v_i)$] es el número de aristas del multigrafo que son incidentes al vértice v_i . En un pseudografo, el grado del vértice v_i es igual al número total de aristas (que no sean lazos) incidentes a este vértice, más el número de lazos incidentes a él.

Un camino (P) es una sucesión de aristas con vértices comunes. La *longitud* (l) de un *camino* es el número de aristas del mismo. Así por ejemplo, *camino de longitud cero* (P^0) es una sucesión de vértices que contiene solo un vértice.

Sea $\mathbf{G} = (V, E)$ un pseudografo. El pseudografo $\mathbf{G}' = (V', E')$ es un subgrafo de \mathbf{G} si $V' \subseteq V$ y $E' \subseteq E$, o sea, si todos sus vértices y aristas también lo son en \mathbf{G} . Los grafos II y III de la figura 19 son subgrafos del grafo I, ya que todos los vértices y aristas de II y III están contenidos en I. El subgrafo $\mathbf{G} - v_i$ se obtiene eliminando del grafo \mathbf{G} el vértice v_i y todas sus aristas incidentes. Así por ejemplo, el grafo II es un subgrafo de I, obtenido al eliminar en I el vértice v_8 junto con sus aristas incidentes, e_{7-8} y e_{8-3} . El subgrafo $\mathbf{G} - e_{ij}$

puede obtenerse eliminando del grafo G la arista e_{ij} . El grafo III es un subgrafo de I, obtenido al eliminar en I la arista e_{8-3} (ver Fig. 20).

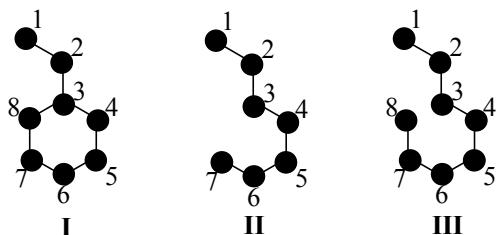


Fig. 20 Representación esquemática de subgrafos

Recientemente, Marrero-Ponce y col. han propuesto nuevas matrices moleculares que describen los cambios en el tiempo de la distribución electrónica a través del esqueleto molecular.^[37] Uno de estos nuevos enfoques propuestos serán utilizados en el presente trabajo: los índices lineales estocásticos y no-estocásticos basados en átomos.

2.1.1.3 Definición de los Índices Lineales basados en Relaciones de Átomos.

Definición de los Índices Lineales Totales y locales para átomos, grupos y fragmentos moleculares: Los k -ésimas índices lineales locales (atómicos) para un átomo i en una molécula, son calculados como una aplicación lineal sobre \Re^n [$f: \Re^n \rightarrow \Re^n$; entonces f : Endomorfismo sobre \Re^n] en las bases canónicas.^[50-54] Específicamente, los k -ésimos índices lineales atómicos no estocásticos y estocásticos, $f_k(\bar{x}_i)$ y ${}^s f_k(\bar{x}_i)$, son calculados a partir de las matrices \mathbf{M}^k y \mathbf{S}^k , como se muestra a continuación:

$$f_k(\bar{x}_i) = \sum_{j=1}^n {}^k m_{ij} x^j = [\mathbf{X}']^k = \mathbf{M}^k [\mathbf{X}] \quad (2.1)$$

$${}^s f_k(\bar{x}_i) = \sum_{j=1}^n {}^k s_{ij} x^j = [\mathbf{XS}']^k = \mathbf{S}^k [\mathbf{X}] \quad (2.2)$$

donde n es el número de átomos de la moléculas y x^j son las coordenadas del vector molecular (\bar{x}) en el sistema de bases canónicas de \Re^n . Los coeficientes ${}^k m_{ij}$ y ${}^k s_{ij}$ son los elementos de \mathbf{M}^k y \mathbf{S}^k , respectivamente. O sea, que estas matrices denotan las matrices de $f_k(\bar{x}_i)$ y ${}^s f_k(\bar{x}_i)$, con respecto a la bases canónicas.

Nótese, que los índice lineales atómicos son definidos como una transformación lineal $f_k(\bar{x}_i)$ sobre un espacio vectorial molecular, \Re^n . Esta aplicación, es una correspondencia que asigna a cualquier vector \mathbf{X} en \Re^n un vector $f(\mathbf{X})$ de forma tal que:

$$f(\lambda_1 \mathbf{X}_1 + \lambda_2 \mathbf{X}_2) = \lambda_1 f(\mathbf{X}_1) + \lambda_2 f(\mathbf{X}_2) \quad (2.3)$$

para todo λ_1, λ_2 número reales y cualquier vector X_1, X_2 en \Re^n . En otras palabras, $f_k(\bar{x}_i)$ es una aplicación lineal dado que la imagen de la combinación lineal de dos vectores X_1 y X_2 , $\lambda_1X_1 + \lambda_2X_2$; es igual a la combinación lineal de las imágenes $f(X_1)$ y $f(X_2)$, $\lambda_1f(X_1) + \lambda_2f(X_2)$. Esta condición se denomina *condición de linealidad*. Las ecuaciones de definición para estos índices también puede ser escrita como una simple ecuación matricial (ver ecuaciones 2.1 y 2.2), donde $[X]$ es el vector columna (una matriz de $nx1$) de coordenadas de \bar{x} en la base canónica de \Re^n , $[X]^t$ es la matriz transpuesta de $[X]$ (una matriz de $1xn$).

Este enfoque es similar al método **LCAO-MO** (siglas acrónimas de “Linear Combinations of Atomic Orbitals-Molecular Orbitals”). Realmente nuestro enfoque (para $k = 1$) es una aproximación muy similar al método de Hückel extendido, dado que nuestra matriz considera tanto electrones sigma como pi. La idea fundamental del método **LCAO-MO** es que los electrones en la molécula están acomodados en orbitales moleculares definidos justamente como los átomos los acomodan en orbitales atómicos. Es decir, los orbitales moleculares son formados por combinaciones lineales de átomos que componen el sistema, lo cual puede ser escrito de la siguiente forma:

$$\psi_i = \sum_{j=1}^n c_{ij} \varphi_j \quad (2.4)$$

donde i es el numero de MO ψ [en nuestro caso, $f_k(\bar{x}_i)$ o ${}^sf_k(\bar{x}_i)$]; j es el número de orbitales atómicos, φ -orbitals (en nuestro caso, x^j); c_{ij} (en nuestro caso, ${}^1m_{ij}$ o ${}^1s_{ij}$) son los coeficientes numéricos que definen la contribución individual de los AOs en un MO dado.

Los índices lineales totales constituyen funciones lineales (Algunos matemáticos usan el término *formas lineales*) sobre \Re^n .^[50-52, 55] Es decir, los índices lineales totales constituyen aplicaciones lineales de \Re^n a escalares \Re [$f: \Re^n \rightarrow \Re$]. La definición matemática de este descriptor molecular es la siguiente:^[45, 46]

$$f_k(\bar{x}) = \sum_{i=1}^n f_k(\bar{x}_i) = [u]^t [X']^k = [u]^t \mathbf{M}^k [X] \quad (2.5)$$

$${}^s f_k(\bar{x}) = \sum_{i=1}^n {}^s f_k(\bar{x}_i) = [u]^t [XS']^k = [u]^t \mathbf{S}^k [X] \quad (2.6)$$

donde n es el número de átomos y $f_k(\bar{x}_i)$ y ${}^s f_k(\bar{x}_i)$ son los índices lineales atómicos no estocásticos y estocásticos obtenidos por las ecuaciones 2.1 y 2.2, respectivamente. En estas ecuaciones también se muestran las definiciones matriciales de estos índices totales, donde $[u]^t$ es un vector fila (matriz fila) unitario de dimensión n .

Como puede observarse, los k^{th} índices lineales totales son calculados sumando todos los índices locales (átomos) de todos los átomos en la molécula. Además, si una molécula es particionada en Z fragmentos moleculares, los índices lineales totales no estocásticos [estocásticos] pueden ser particionados en Z índices lineales locales no estocásticos [estocásticos] $f_k(\bar{x}_i)$ [${}^s f_k(\bar{x}_i)$], $L = 1, \dots, Z$. Es decir, los índices lineales totales de orden k pueden ser expresados como la suma de los índices locales de los Z fragmentos moleculares:

$$f_k(\bar{x}) = \sum_{L=1}^Z f_{kL}(\bar{x}) \quad (2.7)$$

$${}^s f_k(\bar{x}) = \sum_{L=1}^Z {}^s f_{kL}(\bar{x}) \quad (2.8)$$

Cada tipo de índice lineal local puede ser clasificado según el tipo de átomo que compone el fragmento. Así por ejemplo, se pueden calcular sobre heteroátomos, H-unido a heteroátomos (O, N y S), halógenos, cadenas alifáticas o aromáticas, entre otros.

2.2 Análisis Quimiométrico de los datos

2.2.1 Análisis Discriminante Lineal (ADL) para la Predicción de la Actividad.

La calidad y tipo de datos biológicos es un factor importante para seleccionar el método estadístico apropiado para desarrollar los modelos QSAR. Un gran número de pruebas biológicas producen resultados discretos, por ejemplo, activo o inactivo, o $++, +, 0, -, -$. El ADL es una *técnica de clasificación y asignación de un individuo (compuesto) a un grupo (activo o inactivo) conocidas sus características*.^[32, 56] En esta se dispone de una serie de grupos definidos *a priori*, con una serie de observaciones para cada individuo referidas a un conjunto de variables relevantes. En base a esta información se llega a calcular una *función discriminante* (FD). La FD es una ecuación lineal con una variable dependiente que representa la pertenencia a un grupo. *Combinaciones lineales* de variables independientes, sirven de base para clasificar a los individuos entre los grupos.

2.2.2 Estimación de los Coeficientes.

La información que contienen todas las variables independientes se analiza conjuntamente para obtener los coeficientes. Se trata de conseguir un promedio ponderado de las variables independientes para obtener una puntuación que permita distinguir entre grupos. En realidad, dados dos grupos de compuestos, uno activo y otro inactivo dos funciones de clasificación, D_1 y D_2 son obtenidas.^[32, 56]

$$D_1 = b_1X_1 + b_2X_2 + \dots + b_3X_3 + \dots \quad (2.9)$$

$$D_2 = a_1X_1 + a_2X_2 + \dots + a_3X_3 + \dots \quad (2.10)$$

Los coeficientes, a_i y b_i , son los llamados *pesos discriminantes* y se obtienen por el procedimiento de *regresión múltiple*. Esta función describe una línea, un plano o en general, una superficie (hiperplano) entre los grupos. La diferencia de las dos *funciones de clasificación* de cada uno de los grupos es la llamada FD, D_{12} .

$$D_{12} = D_1 - D_2 \quad (2.11)$$

2.2.3 Matriz de Clasificación.

La tabla que muestra los resultados de la *clasificación* con la FD se denomina *matriz de clasificación* o *de confusión*. Esta tabla provee el *porcentaje de casos bien clasificados* para cada grupo y de forma total. La evaluación de la función para todos los individuos que sirven de base para el análisis es también un criterio a considerar en la validación de la FD. Usualmente se exige que el porcentaje de casos bien clasificados no sea inferior a un 75 %, para que el criterio de clasificación sea considerado como aceptable.^[29, 57]

2.2.4 Significación de la Función Discriminante (FD).

La hipótesis nula en el ADL puede formularse así: *no existen diferencias significativas entre las medias de las puntuaciones discriminantes de los grupos*. Una de las pruebas para comprobar la hipótesis estadística anterior se basa en la lambda (λ) de Wilks. En el caso de solo dos grupos, la λ es^[56]

$$\lambda = \frac{SC_{\text{intragrupos}}}{SC_{\text{total}}} \quad (2.12)$$

donde SC es la *variabilidad*, por ejemplo, $SC_{\text{intragrupos}}$ es la *variabilidad intragrupos*.

Este valor representa la porción de la varianza total de las puntuaciones discriminantes que no ha sido explicada por la diferencia entre grupos. La λ toma valores entre 0 y 1. Mientras menor es la λ de Wilks, mayor es la diferencia entre las medias de las

puntuaciones discriminantes de los grupos y esto indica el rechazo de la hipótesis nula. Es importante recalcar que aunque una λ sea significativa no puede interpretarse como una indicación de la eficacia de la FD. Lo único que prueba es que existen diferencias entre las medias. Pero diferencias pequeñas entre los grupos pueden ser estadísticamente significativas y en cambio no permitir una buena *discriminación* entre grupos. Evidentemente, si la lambda no es significativa la *discriminación* no será posible.^[56] La existencia de los grupos de poblacionales se comprueba a través de diferentes ensayos entre los que se encuentra el *Cuadrado de la Distancia de Mahalanobis*, D^2 , el cual mide la distancia al cuadrado entre los centroides de dos poblaciones. Sean p poblaciones de n_1, n_2, \dots, n_p , individuos cada una. En cada población se conocen v variables, x_1, x_2, \dots, x_v . A cada población le corresponde una matriz de observaciones. Se dispone por tanto de p matrices de nxv . A partir de estos datos, y en notación matricial, Mahalanobis define la distancia entre los centroides de los grupos p y q por:

$$D_{pq}^2 = (\mu_p - \mu_q)' \sum^{-1} (\mu_p - \mu_q) \quad (2.13)$$

siendo μ_p y μ_q los vectores columna que contienen las medias de las variables de los grupos respectivos. \sum^{-1} es la inversa de la matriz de varianza-covarianzas intragrupos de los dos grupos conjuntamente. La prima ('') indica la matriz transpuesta. A partir de la D^2 se puede estimar la F de Fischer y utilizarla como prueba de contraste:

$$F = D^2 \frac{n_p n_q (n_p + n_q - v - 1)}{(n_p + n_q)(n_p + n_q - 2)v} \quad (2.14)$$

2.2.5 Criterios de Selección de Variables.

Existen diversos criterios de selección de variables, los principales son los siguientes:

- a) todas las variables se entran simultáneamente siempre que *satisfagan el criterio de tolerancia*
- b) se selecciona la variable que *minimice la lambda de Wilks*
- c) se selecciona la variable que *maximice la D² de Mahalanobis entre los grupos más próximos*
- d) se selecciona la variable que *maximice la menor F entre pares de grupos*
- e) se selecciona la variable que *minimice la suma de la variación no explicada entre grupos*

2.2.5.1 Selección del Número Óptimo de Predictores. Principio de la Parsimonia.

La exactitud de un modelo de clasificación aumenta en la medida en que se añaden variables a la ecuación; pero a partir de cierto punto el incremento de esta para cada nueva variable que se añade, es insignificante. Un buen modelo no debe presentar ni demasiadas variables, ni debe olvidar las que sean verdaderamente relevantes. Es decir, debe cumplir el principio de la *parsimonia*, según el cual un fenómeno debe ser descrito con el número mínimo de elementos posibles.

Diversos procedimientos se han propuesto para seleccionar el número óptimo de variables a incluir en la ecuación, como por ejemplo la ‘forward selection’, ‘backward elimination’ y ‘stepwise selection’.^[56, 57] Este último método es el más utilizado (es una combinación de los dos anteriores) y sigue un proceso de selección de variables paso a paso.

2.2.5.2 Tolerancia.

La *tolerancia* es una medida del grado de asociación lineal entre las variables independientes. Para la variable i , la *tolerancia* es igual a $1-R_i^2$, donde R_i^2 es la correlación múltiple al cuadrado entre la variable i considerada como variable dependiente y las demás variables independientes. Valores bajos en la *tolerancia*, indican que la variable i puede ser considerada como una combinación lineal de las otras variables independientes. Por tanto, la *tolerancia* de una variable, en un paso cualquiera del análisis ‘stepwise’, es la proporción de su varianza intra-grupo no explicada por otras variables del análisis.

2.2.6 Multicolinealidad Entre Variables, Redundancia de la Información y Correlaciones Casuales.

El término ‘multicolinealidad’ se utiliza para describir la situación en que un gran número de descriptores moleculares están altamente intercorrelacionados. Las variables que se aproximan a ser una *combinación lineal* de las otras, se denominan *multicolineales* o *colineales*.^[56-58] Una ‘multicolinealidad’ alta, produce errores estándares altos en los coeficientes de regresión y dificulta estimar la importancia relativa de los descriptores en el modelo, lo cual afecta la interpretación de las actividades modeladas en términos estructurales. La importancia relativa puede determinarse al valorar el incremento en la R , cuando se añade una variable a la ecuación que ya contiene las demás variables (R_i^2).

El método más utilizado para detectar la existencia de variables *colineales* es obtener una matriz de correlaciones entre los descriptores moleculares. Uno de los métodos más utilizados para detectar la interdependencia entre variables, es la *tolerancia*. Problemas con la *redundancia de la información* y la *colinealidad*, han sido ilustrados con el uso de DMs, tales como los índices de conectividad molecular.^[59, 60] El nivel aceptable de *colinealidad* es algo subjetivo y en ese sentido se ha reportado que coeficientes de correlación entre las variables aceptables están en el rango de (0.4-0.9).^[61]

2.2.7 Validación Estadística de los Modelos QSAR.

La significación estadística de la FD obtenida con el ADL debe ser probada analizando la λ de Wilks y la D^2 de Malahanobis, aunque según Kier, la calidad de la FD puede evaluarse de tres formas diferentes:^[62]

- 1) comparación del valor de F con el valor tabulado,
- 2) determinación de casos bien clasificados en la serie de entrenamiento (SE) y
- 3) validación externa.

Además, los métodos de *validación cruzada* también pueden aplicarse a este tipo de modelos. Ogino y col. han propuesto otro enfoque para seleccionar la mejor FD, la cual se selecciona teniendo en cuenta el análisis de la combinación de dos criterios:^[63]

- 1) una combinación de variables que minimice el número de compuestos mal clasificados,
- 2) el empleo del número menor de variables, y
- 3) la colinealidad entre las variables independientes es minimizada.

Cuatro herramientas pueden ser utilizadas para acceder a la validación de los modelos QSAR obtenidos por RLM y la mayoría de estas pueden también extrapolarse a la validación de los modelos obtenidos con el ADL.^[64]

- 1) *Aleatorización* de la variable respuesta (Y - *Randomización*),
- 2) *validaciones cruzadas*,
- 3) *división* de la data de compuestos en serie de entrenamiento (SE) y en serie de predicción (SP)
- 4) confirmación del *poder predictivo* utilizando SP ‘externas’.

2.3 Conclusiones Parciales del Capítulo.

En el presente, el uso de los DMs abarca las principales áreas de investigación en el desarrollo de fármacos: Descubrimiento de compuestos líderes y optimización de las actividades biológicas de estos. En el presente, la mayoría de los investigadores que trabajan en esta rama del saber, concentran sus esfuerzos en el desarrollo de mejores DMs y de mejores modelos matemáticos que permitan el descubrimiento *in silico* de nuevos compuestos líderes bioactivos.

Todos los modelos desarrollados están basados en datos (y teoría), por lo que la calidad y representatividad de estos datos es esencial para la credibilidad, la utilidad y la interpretabilidad de los modelos. Por la forma detallada en que han sido expuestos los pasos y estrategias de trabajo en el análisis multivariado de los datos puede dar la impresión que la obtención de modelos QSAR robustos y con un adecuado poder predictivo es más arte que ciencia, lo cual en parte es verdad. Ahora bien, ¿puede un modelo QSAR ser utilizado para hacer predicciones a compuestos fuera de la SE? Para confirmar esto un riguroso proceso de validación tiene que llevarse a cabo. Así por ejemplo, los modelos QSAR que son desarrollados en base solamente a una SE, sin hacer referencia a una SP; las predicciones externas deben hacerse con mucha cautela y las conclusiones sobre el modelo y la propiedad modelada no pueden ser tan categóricas. En contraste, si un modelo es transparente, mecanística o estructuralmente interpretable y predice satisfactoriamente la actividad biológica de compuestos en una SP, entonces puede ser considerado que dentro de las limitaciones de un modelo, este es muy útil en el diseño/descubrimiento de nuevos materiales o compuestos bioactivos y que los errores potenciales han sido minimizados.^[65]

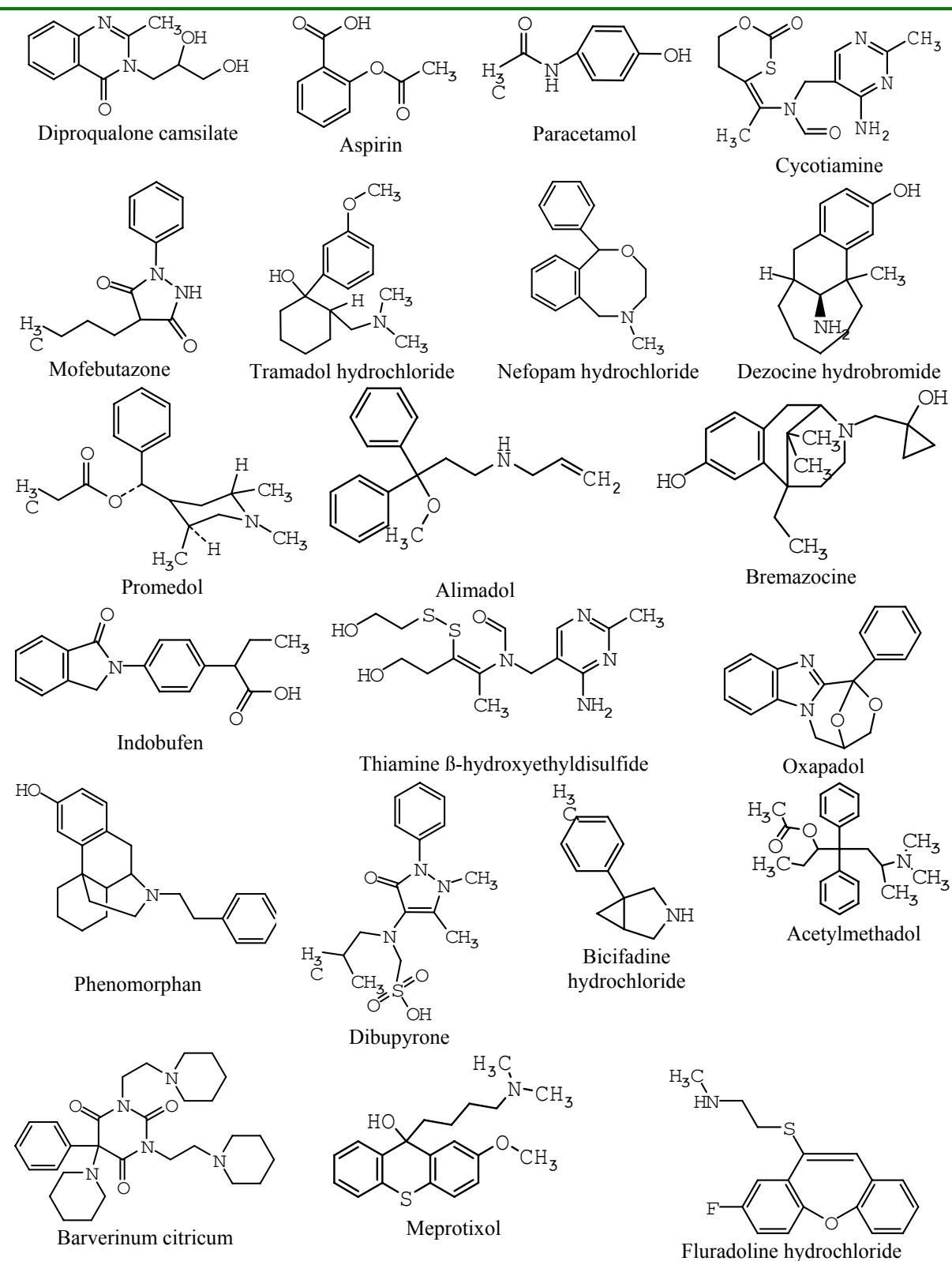
3

MATERIALES Y MÉTODOS

3.1. Base de datos de los compuestos usados en la obtención de los modelos ADL-QSAR (Análisis Discriminante Lineal - *Quantitative Structure Activity Relationship*).

La aplicabilidad y la representatividad del presente método depende de forma crítica de la selección de los compuestos que son utilizados como serie de entrenamiento (SE) para construir el modelo de clasificación. El aspecto más crítico en la construcción de la SE es garantizar la gran diversidad molecular de *la data*. Con el propósito de asegurar esta diversidad molecular hemos seleccionado una *data* compuesta por una adecuada cantidad de entidades moleculares, algunas reportadas como analgésicos y el resto con una serie de otros usos farmacológicos. La data de compuestos activos fue seleccionada considerando toda la representatividad de los diferentes núcleos estructurales (cabezas de serie o compuestos líderes) ver [Anexo 1](#). Una muestra de la diversidad estructural de la data de compuestos activos aparece en la figura 21.

El conjunto de compuestos inactivos fue construido de la siguiente forma. Se seleccionó aleatoriamente una gran base de datos de fármacos con diferentes usos farmacológicos. De este conjunto se seleccionaron al azar algunos representantes de cada actividad farmacológica. Estos fármacos incluyen, antivirales, antihipertensivos, vasodilatadores, antineoplásicos, cardiotónicos, antihistamínicos, sedativos, antidepresivos, etc. Está claro que la declaración de estos compuestos como ‘inactivos’ no garantiza que alguno de ellos pueda presentar alguna actividad analgésica aún no detectada. Este problema puede verse reflejado en los resultados de la clasificación de la serie de compuestos inactivos. Sin embargo, alguno de estos compuestos puede ser detectado (clasificado) por la función de clasificación (FC) como potencial analgésica. En este sentido, estas moléculas serían ‘erróneamente’ clasificadas como inactivas en un principio; pero podrían ser escogidas para ser evaluadas experimentalmente *in vitro* e *in vivo*.

Figura 21: Diversidad Estructural de la data de analgésicos

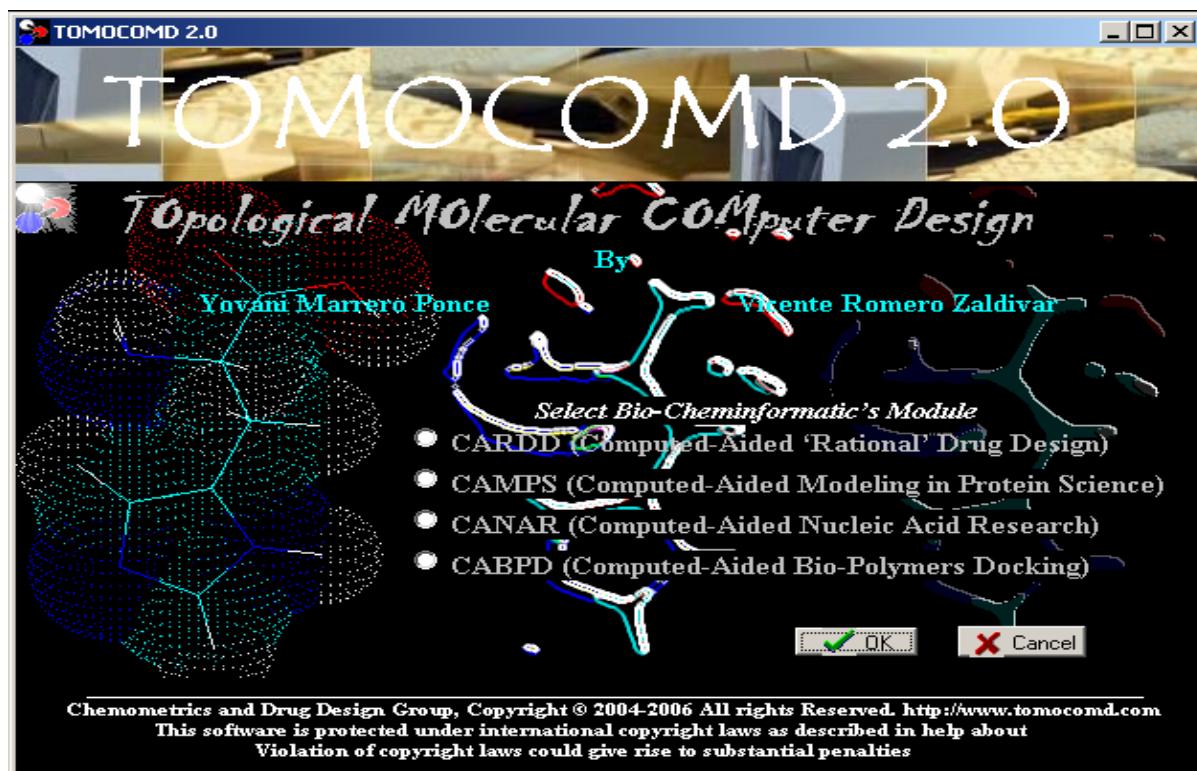
Finalmente, los modelos matemáticos fueron usados en el proceso de cribado computacional con el propósito de identificar/seleccionar nuevos candidatos a fármacos analgésicos. Para este propósito, se evaluaron en paralelo moléculas de origen sintético, de las cuales algunas no tienen existencia física aún como medicamentos (cribado *in silico*), y moléculas que constituyen fármacos con varios usos terapéuticos (cribado virtual). A los compuestos seleccionados por varios modelos como candidatos prometedores, les fue debe ser posteriormente corroborada la actividad biológica en estudios experimentales *in vitro* e *in vivo*.

3.2 Cálculo de los nuevos descriptores moleculares. **TOMOCOMD-CARDD Software**

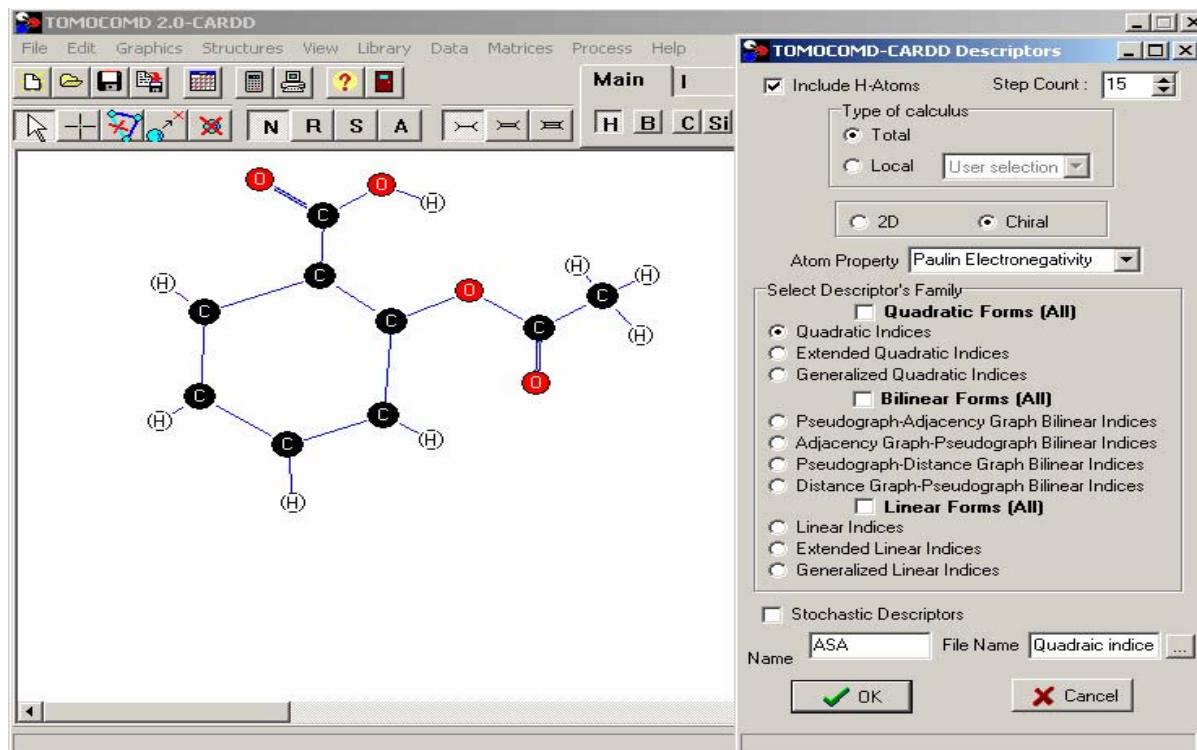
TOMOCOMD (acrónimo de ***T*opological *M*olecular ***C*OMputer *D*esign****) es un programa interactivo para el diseño molecular e investigaciones químico-bioinformáticas.^[32] En este paquete computacional se ha implementado el cálculo de varias familias de descriptores moleculares, basados en representaciones vectoriales y matriciales de la estructura molecular. El programa está compuesto por cuatro sub-programas, cada uno de ellos con un módulo de visualización y otro de cálculo. Los sub-programas son los siguientes: **CARDD** (***C*omputed-*A*ided ‘*R*ational’ *D*rug *D*esign**), **CAMPS** (***C*omputed-*A*ided *M*odeling in *P*rotein *S*cience**), **CANAR** (***C*omputed-*A*ided *N*ucleic *A*cid *R*esearch**) y **CABPD** (***C*omputed-*A*ided *B*io-*P*olymers *D*ocking**). En esta tesis se han utilizado los cálculos obtenidos con el primero de los sub-programas, **CARDD**. Este ‘*software*’ fue desarrollado basado en una interfase amigable con el usuario, el cual no tiene que dominar *a priori* ningún conocimiento de programación computacional. Específicamente, en este trabajo se han utilizado los índices lineales totales y locales basados en átomos. Estos han sido empleados en varios estudios QSAR, utilizando el ADL como técnicas estadísticas para obtener la relación cuantitativa entre la estructura y la actividad. En la Figura 20 se muestra la interfase gráfica del programa de cálculo **CARDD**.

Los principales pasos para desarrollar un estudio QSAR utilizando el enfoque **TOMOCOMD-CARDD**, se resumen brevemente a continuación:

1. Representar el ‘grafo’ molecular de cada una de las moléculas de la base de datos a analizar, usando el módulo de dibujo del software. Este procedimiento se lleva a cabo seleccionando el átomo deseado perteneciente a diferentes grupos de la tabla periódica en el momento de representar las moléculas.



A



B

Fig. 22 TOMOCOMD-CARDD Software: A, Ventana para seleccionar el módulo de trabajo. B, Interfase gráfica del sub-programa de diseño “*in silico*” de fármacos.

2. Usar un ‘peso’ (etiqueta) apropiado de átomo (o de enlace), con el propósito de diferenciar cada tipo de átomo (enlace) en la molécula.
3. Computar los índices lineales (tanto estocásticos como no-estocásticos) con los descriptores **TOMOCOMD-CARDD**, lo cual permite seleccionar la propiedad átomos y la familia que se desea calcular. Este paquete computacional genera una tabla en la cual las filas corresponden a los compuestos (casos) y las columnas a los índices moleculares calculados (variables).
4. Encontrar una o varias ecuaciones QSAR usando técnicas estadísticas, tales como ADL, análisis de cluster (AC), entre otras. Es decir, se encuentra una relación cuantitativa entre una actividad *A* y la estructura química codificada con los descriptores calculados. En el caso de los índices lineales de átomos, la ecuación obtenida debe tomar la siguiente apariencia:

$$A = \mathbf{c} + a_0f_0(\bar{x}) + a_1f_1(\bar{x}) + a_2f_2(\bar{x}) + \dots + a_kf_k(\bar{x}) \quad (3.1)$$

donde *A* es la medida de la actividad, en este caso $f_k(\bar{x})$ [$o f_{kl}(\bar{x})$] es el *k*-ésimos índice lineal total [o local], los términos a_k 's son los coeficientes obtenidos por el análisis estadístico multivariable y \mathbf{c} es la constante.

5. Probar la robustez y demostrar el poder predictivo de las ecuaciones QSAR obtenidas usando procedimientos de validación interna y externa.
6. Desarrollar una interpretación estructural de los modelos QSAR obtenidos, que permita interpretar la actividad *A* estudiada y utilizar los modelos en el proceso de cribado computacional para discriminar los compuestos más activos de los menos potentes o inactivos.

3.3. Análisis Estadístico de los Datos: Desarrollo de las Funciones Discriminantes (FDs) usando ADL.

A pesar de que existen varias *técnicas quimiométricas* para generar FDs, tales como “soft independent modeling of class analogy” (SIMCA) o redes de neuronas (RNs) artificiales, el ADL fue seleccionado para obtener las *funciones de clasificaciones* sobre la base de la simplicidad del método.^[32] Los modelos QSAR-ADL se obtuvieron con el paquete de programas estadísticos STATISTICA.^[57]

Con el objetivo de ensayar la *calidad* y *robustez* de los modelos obtenidos, siempre evaluamos varios parámetros estadísticos, tales como la λ de Wilks, el valor de F y el cuadrado de la distancia de Mahalanobis (D^2). Otro factor que se tuvo en consideración para evaluar la habilidad (poder discriminante) de las FDs obtenidas, fueron los *porcentajes de buena clasificación* en cada uno de los grupos y del modelo en general en la serie de entrenamiento. La clasificación de los casos se desarrolló por medio de la *probabilidad de clasificación posterior*. Usando la D^2 para la clasificación, se pueden obtener probabilidades. La probabilidad de que un caso pertenezca a un grupo particular es básicamente ‘proporcional’ a la D^2 del caso al centroide del grupo.

En resumen, la *probabilidad posterior* es la probabilidad, basada en el conocimiento de los valores de otras variables, de que el respectivo caso pertenece a un grupo en particular. Además, se utilizaron varios parámetros estadísticos para evaluar la calidad de los modelos obtenidos (coeficiente de correlación de Matthews, sensibilidad, especificidad, etc.), todos calculados a partir de la matriz de confusión.^[66] Para acceder al *poder predictivo* de los modelos QSAR-ADL obtenidos, se desarrollaron procedimientos de *validación interna* y *externa*. En la *validación interna*, se llevó a cabo en cada caso un proceder de validación cruzada (VC) ‘dejando grupos de compuestos fuera’ (leave-group-out). Esta metodología retira sistemáticamente un grupo de compuestos de la SE y construye el modelo con los datos reducidos y la función obtenida se utiliza para predecir los compuestos que han sido extraídos. Este proceder se repite hasta que todos los casos (en este caso grupos) han sido retirados una vez y predichos por el modelo generado con las respectivas bases de datos reducidas. Finalmente, para un exhaustivo ensayo del *poder predictivo* de los modelos obtenidos, en cada caso se utilizó una SP externa.^[64]

RESULTADOS Y DISCUSIÓN

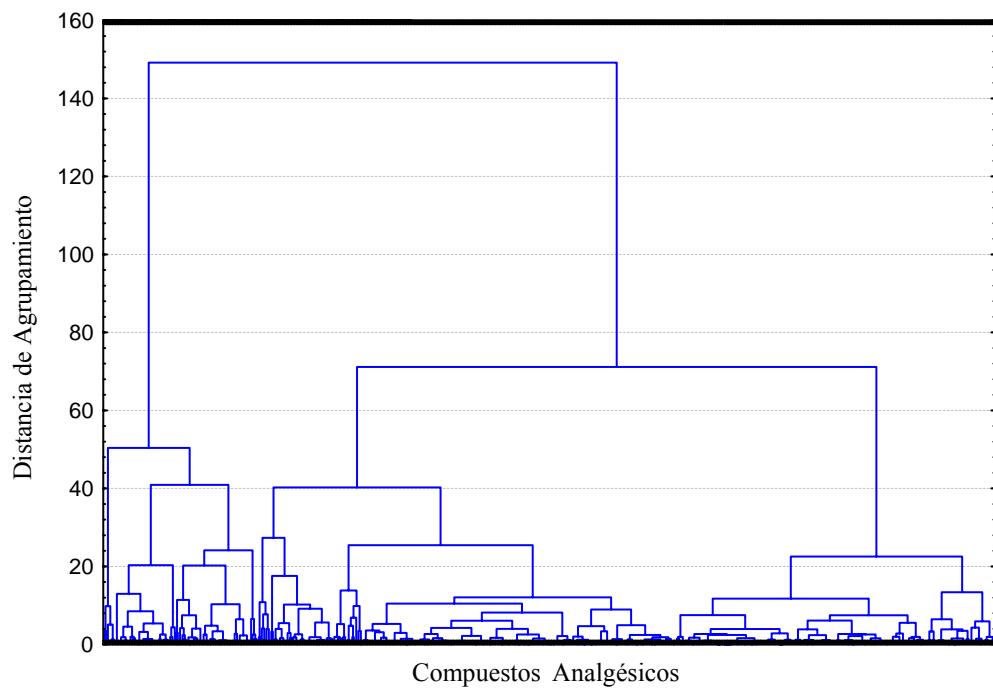
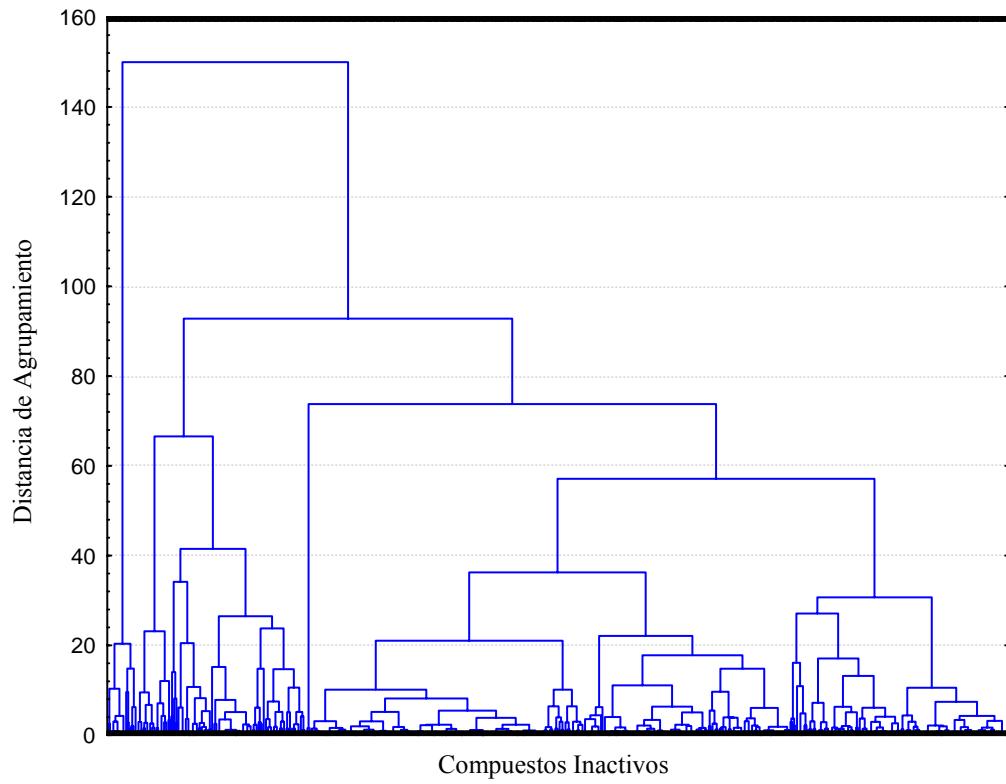


4

4.1 División de la Data Original en Serie de Entrenamiento y Serie de Predicción.

Las series activas e inactivas empleadas para obtener las funciones de clasificación son divididas en series de entrenamiento y predicción. En este sentido, primeramente debe ser probada la diversidad estructural de la base de datos, para ello se realizo un Análisis de Conglomerados Jerárquicos (CAs) a las series activas e inactivas de compuestos.^[67, 68] Para desarrollar estos análisis de conglomerados fue utilizado el paquete estadístico STATISTICA.^[69] Los dendrogramas fueron obtenidos usando la distancia euclídea (abcisa X) y la vinculación completa (abcisa Y) como se muestra en las figuras 23 y 24, para la serie de compuestos activos e inactivos, respectivamente. En ambos árboles binarios puede observarse un gran número de patrones estructurales diferentes, lo que prueba la variabilidad estructural de los compuestos seleccionados para conformar la base de datos.

Mediante este procedimiento es posible escoger de forma racional las series de entrenamiento y predicción aunque debido a la dificultad de evaluar los dendrogramas obtenidos, es necesario realizar otro tipo de análisis de cluster. Se realizaron dos análisis de cluster de partición (no-jerárquicos) llamados también *k*-MCA (análisis de cluster de *k*-medias) para dividir la base de datos en dos series: entrenamiento y predicción. La idea principal de este procedimiento consiste en hacer una partición de las series activas e inactivas en diferentes subconjuntos de compuestos estadísticamente representativos. Este procedimiento asegura que cualquiera de estos subconjuntos (determinado por los conglomerados derivados del *k*-MCA) estará representado en ambas series (entrenamiento y predicción).

Fig. 23 Dendrogramas de los compuestos Analgésicos**Fig. 24 Dendrogramas de los compuestos Inactivos**

En este sentido, se realiza un primer k -MCA para la base de datos de compuestos activos, y luego otro k -MCA para el subconjunto de compuestos inactivos. En este primer k -MCA (k -MCA I) la data de compuestos analgésicos fue dividida en 11 conglomerados. En el segundo k -MCA (k -MCA II) para la base de datos de inactivos, se divide la data en 15 conglomerados. Para estos análisis de cluster se emplean los índices lineales no-estocásticos y todas las variables empleadas muestran valores de significación de $p<0.005$ para la prueba de Fisher. Estos resultados son mostrados en la tabla 2.

Table 2. Resultados de los k -MCAs para la base de datos de compuestos activos y inactivos.

Análisis de Varianza

| Variables | Between SS ^a | Within SS ^b | Fisher ratio (F) | <i>p</i> -level ^c |
|---|-------------------------|------------------------|------------------|------------------------------|
| Conglomerados de compuestos analgésicos (k-MCA I) | | | | |
| $Mf_{3L}^H(\bar{x}_E)$ | 132.33 | 53.48 | 125.96 | 0.00 |
| $Mf_{2L}(\bar{x}_E)$ | 130.43 | 87.82 | 75.61 | 0.00 |
| $Pf_6^H(\bar{x})$ | 258.54 | 46.79 | 281.28 | 0.00 |
| $Pf_2(\bar{x})$ | 258.83 | 38.34 | 343.69 | 0.00 |
| $Pf_3(\bar{x})$ | 267.34 | 41.99 | 324.12 | 0.00 |
| $Pf_7(\bar{x})$ | 247.72 | 54.43 | 231.69 | 0.00 |
| $Pf_{11}(\bar{x})$ | 157.93 | 45.69 | 175.97 | 0.00 |
| $Pf_{3L}^H(\bar{x}_{E-H})$ | 95.89 | 78.67 | 62.05 | 0.00 |
| $Pf_{5L}^H(\bar{x}_{E-H})$ | 118.64 | 87.90 | 68.72 | 0.00 |
| $Kf_0^H(\bar{x})$ | 187.65 | 66.04 | 144.66 | 0.00 |
| $Kf_{13}(\bar{x})$ | 105.56 | 33.84 | 158.82 | 0.00 |
| $Gf_0^H(\bar{x})$ | 188.02 | 64.32 | 148.83 | 0.00 |
| Conglomerados Inactivos (k-MCA II) | | | | |
| $Mf_{3L}^H(\bar{x}_E)$ | 767.99 | 87.14 | 379.60 | 0.00 |
| $Mf_{2L}(\bar{x}_E)$ | 636.62 | 114.03 | 240.47 | 0.00 |
| $Pf_6^H(\bar{x})$ | 236.47 | 35.52 | 286.72 | 0.00 |
| $Pf_2(\bar{x})$ | 218.98 | 39.62 | 238.08 | 0.00 |
| $Pf_3(\bar{x})$ | 267.38 | 40.35 | 285.41 | 0.00 |
| $Pf_7(\bar{x})$ | 336.57 | 44.04 | 329.19 | 0.00 |
| $Pf_{11}(\bar{x})$ | 267.37 | 32.22 | 357.38 | 0.00 |
| $Pf_{3L}^H(\bar{x}_{E-H})$ | 412.51 | 133.17 | 133.42 | 0.00 |
| $Pf_{5L}^H(\bar{x}_{E-H})$ | 420.13 | 129.32 | 139.93 | 0.00 |
| $Kf_0^H(\bar{x})$ | 163.61 | 75.37 | 93.49 | 0.00 |
| $Kf_{13}(\bar{x})$ | 199.94 | 25.31 | 340.30 | 0.00 |
| $Gf_0^H(\bar{x})$ | 161.63 | 74.48 | 93.46 | 0.00 |

^aVarianza entre grupos.

^bVarianza dentro grupos.

^cNivel de significación.

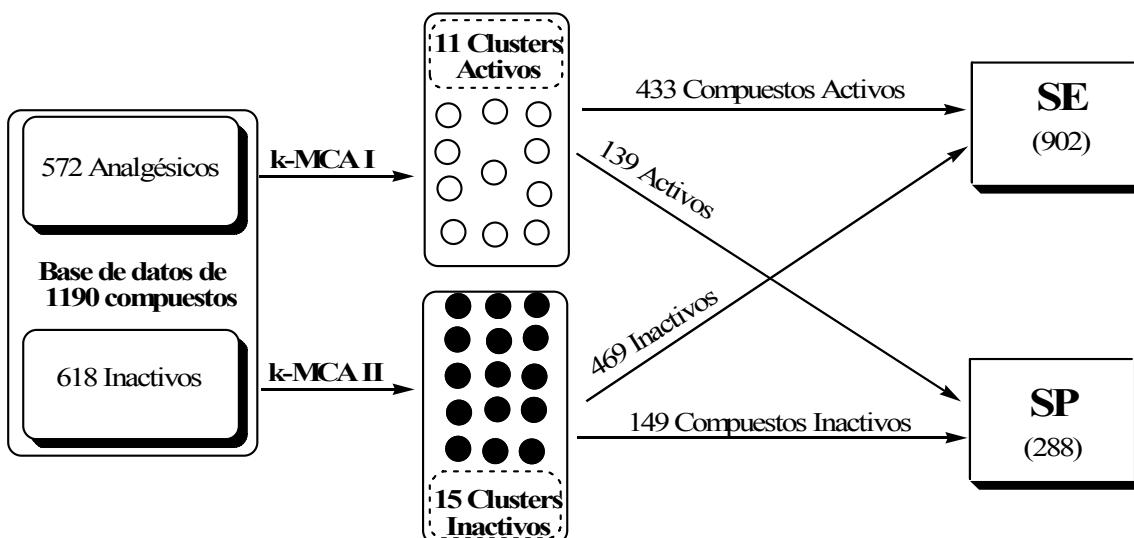


Fig. 25 El procedimiento para la selección de SE y SP

A continuación se realiza la selección de las series de entrenamiento y predicción tomando compuestos de forma aleatoria de cada uno de los conglomerados formados. Como fue señalado anteriormente, estos 1190 compuestos fueron divididos en una serie de entrenamiento con 902 compuestos escogidos aleatoriamente, siendo 433 de ellos activos y 469 inactivos. El subconjunto restante conformado por 288 compuestos, con 139 analgésicos y 149 con otros usos farmacológicos, se usa como serie de predicción para la validación externa de los modelos de clasificación. Estos compuestos de la serie de predicción no fueron usados para la construcción de los modelos de clasificación. En la figura 23 se muestra el procedimiento descrito para la selección de los subconjuntos representativos en las series de entrenamiento y predicción con el uso de los análisis de cluster correspondientes.

4.2 Desarrollo de Modelos QSAR-ADL

Con el objetivo de identificar compuestos con actividad analgésica, las estructuras moleculares de cada compuesto en la base de datos fue parametrizada utilizando como técnica estadística el ADL y los índices lineales atómicos no-estocásticos y estocásticos. Estos índices fueron calculados con el programa **TOMOCOMD-CARDD** utilizado para obtener los modelos QSAR-ADL. Los descriptores fueron calculados para todos los compuestos incluidos tanto en la base de datos [Serie de entrenamiento (SE) y serie de predicción (SP)] extraída de la literatura. Una vez calculados los índices lineales no-estocásticos y estocásticos se procedió a la obtención de los modelos mediante análisis

discriminante lineal (ADL). Esta técnica permite encontrar una función discriminante con la habilidad de distinguir entre dos grupos de poblaciones. Se desarrollan 13 modelos discriminantes de funciones de clasificación, obtenidas con el proceder ‘forward stepwise’ y la SE. Las ecuaciones se presentan a continuación en la tabla 3.

Tabla 3 Modelos discriminantes derivados de los índices lineales no-estocásticos y estocásticos.

Modelos QSAR-ADL obtenido utilizando los índices lineales no-estocásticos.

$$\begin{aligned} \text{Class} = & -1.386 + 0.001 {}^M\mathbf{f}_4^H(\bar{x}) - 0.005 {}^M\mathbf{f}_{3L}^H(\bar{x}_E) - 0.013 {}^M\mathbf{f}_{3L}^H(\bar{x}_{E-H}) - 0.028 {}^M\mathbf{f}_0(\bar{x}) \\ & + 0.009 {}^M\mathbf{f}_{2L}(\bar{x}_E) - 2.262 \times 10^{-10} {}^M\mathbf{f}_{15}(\bar{x}) + 2.951 \times 10^{-4} {}^M\mathbf{f}_{6L}^H(\bar{x}_{E-H}) \\ & - 0.008 {}^M\mathbf{f}_2(\bar{x}) + 0.043 {}^M\mathbf{f}_1(\bar{x}) - 0.010 {}^M\mathbf{f}_2^H(\bar{x}) \end{aligned} \quad (4.1)$$

$$\begin{aligned} \text{Class} = & -1.319 + 0.002 {}^V\mathbf{f}_4^H(\bar{x}) - 1.065 \times 10^{-4} {}^V\mathbf{f}_{5L}^H(\bar{x}_E) - 0.078 {}^V\mathbf{f}_0^H(\bar{x}) \\ & - 0.027 {}^V\mathbf{f}_{3L}^H(\bar{x}_{E-H}) - 1.750 \times 10^{-6} {}^V\mathbf{f}_9^H(\bar{x}) + 0.068 {}^V\mathbf{f}_1^H(\bar{x}) - 0.015 {}^V\mathbf{f}_3^H(\bar{x}) \\ & + 0.007 {}^V\mathbf{f}_{4L}^H(\bar{x}_{E-H}) + 0.001 {}^V\mathbf{f}_5^H(\bar{x}) + 0.005 {}^V\mathbf{f}_1(\bar{x}) \end{aligned} \quad (4.2)$$

$$\begin{aligned} \text{Class} = & -1.561 + 0.021 {}^P\mathbf{f}_4^H(\bar{x}) - 0.008 {}^P\mathbf{f}_{3L}^H(\bar{x}_E) - 1.027 {}^P\mathbf{f}_{0L}^H(\bar{x}_{E-H}) + 0.109 {}^P\mathbf{f}_3(\bar{x}) \\ & - 0.263 {}^P\mathbf{f}_{0L}^H(\bar{x}_E) + 3.454 \times 10^{-6} {}^P\mathbf{f}_{10}(\bar{x}) - 0.210 {}^P\mathbf{f}_2(\bar{x}) - 4.705 \times 10^{-4} {}^P\mathbf{f}_7(\bar{x}) \\ & - 0.091 {}^P\mathbf{f}_3^H(\bar{x}) + 0.247 {}^P\mathbf{f}_1^H(\bar{x}) \end{aligned} \quad (4.3)$$

$$\begin{aligned} \text{Class} = & -2.072 + 0.001 {}^K\mathbf{f}_7^H(\bar{x}) - 6.97 \times 10^{-5} {}^K\mathbf{f}_{7L}^H(\bar{x}_E) - 0.336 {}^K\mathbf{f}_{0L}^H(\bar{x}_{E-H}) \\ & + 0.186 {}^K\mathbf{f}_1^H(\bar{x}) - 8.777 \times 10^{-7} {}^K\mathbf{f}_{13}^H(\bar{x}) - 0.022 {}^K\mathbf{f}_4^H(\bar{x}) \\ & + 1.914 \times 10^{-7} {}^K\mathbf{f}_{14}^H(\bar{x}) + 0.064 {}^K\mathbf{f}_{2L}(\bar{x}_E) - 0.147 {}^K\mathbf{f}_{0L}^H(\bar{x}_E) \\ & - 0.015 {}^K\mathbf{f}_{3L}(\bar{x}_E) \end{aligned} \quad (4.4)$$

$$\begin{aligned} \text{Class} = & -1.875 + 2.361 \times 10^{-4} {}^G\mathbf{f}_6^H(\bar{x}) + 3.412 \times 10^{-5} {}^G\mathbf{f}_{9L}^H(\bar{x}_E) - 0.038 {}^G\mathbf{f}_{3L}^H(\bar{x}_{E-H}) \\ & - 0.013 {}^G\mathbf{f}_2^H(\bar{x}) - 6.605 \times 10^{-8} {}^G\mathbf{f}_{12}(\bar{x}) - 0.036 {}^G\mathbf{f}_{3L}(\bar{x}_E) + 0.080 {}^G\mathbf{f}_{2L}(\bar{x}_E) \\ & - 8.299 \times 10^{-6} {}^G\mathbf{f}_{10L}^H(\bar{x}_E) - 0.125 {}^G\mathbf{f}_{0L}^H(\bar{x}_E) \end{aligned} \quad (4.5)$$

$$\begin{aligned} \text{Class} = & -1.334 + 0.001 {}^P\mathbf{f}_6^H(\bar{x}) - 0.013 {}^G\mathbf{f}_{3L}(\bar{x}_E) - 0.278 {}^P\mathbf{f}_{3L}^H(\bar{x}_{E-H}) + 0.025 {}^K\mathbf{f}_{2L}(\bar{x}_E) \\ & - 0.066 {}^G\mathbf{f}_0^H(\bar{x}) - 3.133 \times 10^{-7} {}^M\mathbf{f}_{10}^H(\bar{x}) + 0.021 {}^P\mathbf{f}_{5L}^H(\bar{x}_{E-H}) - 0.164 {}^P\mathbf{f}_2(\bar{x}) \\ & + 0.015 {}^V\mathbf{f}_1(\bar{x}) + 0.031 {}^P\mathbf{f}_3(\bar{x}) \end{aligned} \quad (4.6)$$

Tabla 3 cont.**Modelos QSAR-ADL obtenido utilizando los índices lineales estocásticos.**

$$\begin{aligned} \text{Class} = & -1.257 + 0.208^{\text{Ms}}\mathbf{f}_8^H(\bar{x}) + 0.021^{\text{Ms}}\mathbf{f}_{1L}(\bar{x}_E) - 0.068^{\text{Ms}}\mathbf{f}_1^H(\bar{x}) - 0.048^{\text{Ms}}\mathbf{f}_{0L}^H(\bar{x}_E) \\ & + 0.128^{\text{Ms}}\mathbf{f}_6(\bar{x}) - 0.073^{\text{Ms}}\mathbf{f}_{10L}^H(\bar{x}_E) - 0.069^{\text{Ms}}\mathbf{f}_{12}(\bar{x}) - 0.025^{\text{Ms}}\mathbf{f}_{1L}^H(\bar{x}_{E-H}) \\ & - 0.144^{\text{Ms}}\mathbf{f}_{10}^H(\bar{x}) \end{aligned} \quad (4.7)$$

$$\begin{aligned} \text{Class} = & -1.236 + 0.176^{\text{Vs}}\mathbf{f}_{12}(\bar{x}) - 0.054^{\text{Vs}}\mathbf{f}_{11L}(\bar{x}_E) - 0.065^{\text{Vs}}\mathbf{f}_1^H(\bar{x}) - 1.303^{\text{Vs}}\mathbf{f}_{15L}^H(\bar{x}_{E-H}) \\ & + 0.086^{\text{Vs}}\mathbf{f}_6^H(\bar{x}) - 0.077^{\text{Vs}}\mathbf{f}_{0L}^H(\bar{x}_E) + 0.086^{\text{Vs}}\mathbf{f}_{1L}^H(\bar{x}_E) - 0.265^{\text{Vs}}\mathbf{f}_6(\bar{x}) \\ & + 0.084^{\text{Vs}}\mathbf{f}_0(\bar{x}) + 1.262^{\text{Vs}}\mathbf{f}_{13L}^H(\bar{x}_{E-H}) \end{aligned} \quad (4.8)$$

$$\begin{aligned} \text{Class} = & -0.995 + 1.402^{\text{Ps}}\mathbf{f}_0(\bar{x}) - 0.982^{\text{Ps}}\mathbf{f}_{0L}(\bar{x}_E) - 0.832^{\text{Ps}}\mathbf{f}_2^H(\bar{x}) + 1.319^{\text{Ps}}\mathbf{f}_4^H(\bar{x}) \\ & - 0.912^{\text{Ps}}\mathbf{f}_{7L}^H(\bar{x}_{E-H}) - 0.720^{\text{Ps}}\mathbf{f}_1^H(\bar{x}) + 0.619^{\text{Ps}}\mathbf{f}_{1L}(\bar{x}_E) - 1.038^{\text{Ps}}\mathbf{f}_2(\bar{x}) \\ & + 0.212^{\text{Ps}}\mathbf{f}_{11}^H(\bar{x}) - 0.440^{\text{Ps}}\mathbf{f}_{7L}^H(\bar{x}_E) \end{aligned} \quad (4.9)$$

$$\begin{aligned} \text{Class} = & -1.521 - 1.981^{\text{Ks}}\mathbf{f}_7(\bar{x}) - 1.809^{\text{Ks}}\mathbf{f}_{12L}^H(\bar{x}_E) - 1.196^{\text{Ks}}\mathbf{f}_{15}^H(\bar{x}) + 1.011^{\text{Ks}}\mathbf{f}_6(\bar{x}) \\ & + 1.451^{\text{Ks}}\mathbf{f}_{10}^H(\bar{x}) - 1.219^{\text{Ks}}\mathbf{f}_0^H(\bar{x}) + 1.231^{\text{Ks}}\mathbf{f}_{11L}(\bar{x}_E) + 1.432^{\text{Ks}}\mathbf{f}_2(\bar{x}) \\ & + 0.801^{\text{Ks}}\mathbf{f}_7^H(\bar{x}) - 0.064^{\text{Ks}}\mathbf{f}_{6L}^H(\bar{x}_{E-H}) \end{aligned} \quad (4.10)$$

$$\begin{aligned} \text{Class} = & -1.803 - 0.665^{\text{Gs}}\mathbf{f}_3(\bar{x}) + 1.318^{\text{Gs}}\mathbf{f}_{14L}(\bar{x}_E) - 0.982^{\text{Gs}}\mathbf{f}_0^H(\bar{x}) + 2.681^{\text{Gs}}\mathbf{f}_4(\bar{x}) \\ & + 1.782^{\text{Gs}}\mathbf{f}_4^H(\bar{x}) - 1.452^{\text{Gs}}\mathbf{f}_2(\bar{x}) - 1.984^{\text{Gs}}\mathbf{f}_{12L}^H(\bar{x}_E) - 1.034^{\text{Gs}}\mathbf{f}_2^H(\bar{x}) \end{aligned} \quad (4.11)$$

$$\begin{aligned} \text{Class} = & -1.039 + 0.119^{\text{Vs}}\mathbf{f}_{14}(\bar{x}) - 0.048^{\text{Vs}}\mathbf{f}_{2L}(\bar{x}_E) - 0.339^{\text{Ks}}\mathbf{f}_1^H(\bar{x}) + 0.329^{\text{Gs}}\mathbf{f}_6^H(\bar{x}) \\ & - 0.079^{\text{Ms}}\mathbf{f}_1^H(\bar{x}) + 0.059^{\text{Vs}}\mathbf{f}_8^H(\bar{x}) + 0.046^{\text{Ms}}\mathbf{f}_{1L}(\bar{x}_E) - 0.031^{\text{Vs}}\mathbf{f}_{1L}^H(\bar{x}_{E-H}) \\ & - 0.113^{\text{Vs}}\mathbf{f}_8(\bar{x}) \end{aligned} \quad (4.12)$$

$$\begin{aligned} \text{Class} = & -1.551 - 3.750 \times 10^{-5}^{\text{Vs}}\mathbf{f}_6^H(\bar{x}) - 3.932 \times 10^{-6}^{\text{Gs}}\mathbf{f}_{12L}^H(\bar{x}_E) - 0.081^{\text{P}}\mathbf{f}_{3L}^H(\bar{x}_{E-H}) \\ & - 0.311^{\text{G}}\mathbf{f}_0^H(\bar{x}) + 0.026^{\text{Vs}}\mathbf{f}_1^H(\bar{x}) + 4.313 \times 10^{-4}^{\text{G}}\mathbf{f}_6^H(\bar{x}) \\ & + 2.359 \times 10^{-9}^{\text{Vs}}\mathbf{f}_{15L}^H(\bar{x}_{E-H}) + 3.471 \times 10^{-6}^{\text{Ks}}\mathbf{f}_{12L}^H(\bar{x}_E) - 0.015^{\text{P}}\mathbf{f}_3^H(\bar{x}) \end{aligned} \quad (4.13)$$

Las ecuaciones 4.6 y 4.12 son desarrolladas a partir de las funciones discriminantes de los índices lineales no-estocásticos y estocásticos respectivamente. La ecuación 4.13 incluye tanto los índices lineales estocásticos como los no estocásticos para átomos. Para cada uno de los modelos obtenidos se calcularon los parámetros estadísticos en la SE y SP. (Tabla 4 y 5)

Tabla 4 Parámetros estadísticos de la Serie de Entrenamiento.

| Modelos | Coeficiente de correlación de Matthew (<i>C</i>) | Exactitud 'Q _{Total} ' (%) | Especificidad (%) | Sensibilidad (%) | Razón falsos positivos (%) | Wilks' λ | F | D ² |
|---|--|-------------------------------------|-------------------|------------------|----------------------------|-------------|-------------|----------------|
| <i>Indices lineales no-Estocásticos</i> | | | | | | | | |
| Ec. 1 (10) | 0.82 | 90.94 | 89.15 | 91.69 | 7.42 | 0.40 | 6.09 | 136.13 |
| Ec. 2 (10) | 0.81 | 90.61 | 89.38 | 90.85 | 8.26 | 0.39 | 6.26 | 139.90 |
| Ec. 3 (10) | 0.83 | 91.38 | 89.15 | 92.57 | 6.57 | 0.39 | 6.16 | 137.65 |
| Ec. 4 (10) | 0.83 | 91.49 | 89.15 | 92.79 | 6.36 | 0.40 | 6.06 | 135.62 |
| Ec. 5 (9) | 0.81 | 90.28 | 88.22 | 91.17 | 7.84 | 0.39 | 6.19 | 138.38 |
| Ec. 6 (10) | 0.84 | 91.82 | 89.61 | 93.05 | 6.14 | 0.40 | 5.95 | 147.88 |
| <i>Indices lineales Estocásticos</i> | | | | | | | | |
| Ec. 7 (9) | 0.80 | 90.06 | 88.22 | 90.74 | 8.26 | 0.40 | 5.92 | 147.31 |
| Ec. 8 (10) | 0.81 | 90.72 | 88.45 | 91.85 | 7.20 | 0.38 | 6.55 | 146.38 |
| Ec. 9 (10) | 0.80 | 90.17 | 88.22 | 90.95 | 8.05 | 0.39 | 6.17 | 137.88 |
| Ec. 10 (10) | 0.81 | 90.28 | 89.38 | 90.21 | 8.90 | 0.39 | 6.24 | 139.61 |
| Ec. 11 (8) | 0.80 | 90.17 | 89.15 | 90.19 | 8.90 | 0.40 | 6.04 | 169.08 |
| Ec. 12 (9) | 0.80 | 90.06 | 88.22 | 90.74 | 8.26 | 0.39 | 6.19 | 153.94 |
| <i>Índices lineales de Atomos</i> | | | | | | | | |
| Ec. 13 (9) | 0.80 | 90.06 | 88.45 | 90.54 | 6.14 | 0.41 | 5.82 | 144.65 |

Tabla 5 Parámetros estadísticos de la Serie de Predicción.

| Modelos | Coeficiente de correlación de Matthew (<i>C</i>) | Exactitud 'Q _{Total} ' (%) | Especificidad (%) | Sensibilidad (%) | Razón falsos positivos (%) |
|---|--|-------------------------------------|-------------------|------------------|----------------------------|
| <i>Indices lineales no-Estocásticos</i> | | | | | |
| Ec. 1 (10) | 0.82 | 90.88 | 89.21 | 91.85 | 7.53 |
| Ec. 2 (10) | 0.77 | 88.73 | 89.86 | 87.32 | 12.33 |
| Ec. 3 (10) | 0.81 | 90.53 | 89.93 | 90.58 | 8.90 |
| Ec. 4 (10) | 0.80 | 90.18 | 90.65 | 89.36 | 10.27 |
| Ec. 5 (9) | 0.78 | 88.77 | 86.33 | 90.23 | 8.90 |
| Ec. 6 (10) | 0.78 | 88.77 | 87.05 | 89.63 | 9.59 |
| <i>Indices lineales Estocásticos</i> | | | | | |
| Ec. 7 (9) | 0.80 | 90.18 | 91.37 | 88.81 | 10.96 |
| Ec. 8 (10) | 0.82 | 91.23 | 91.37 | 90.71 | 8.90 |
| Ec. 9 (10) | 0.78 | 89.12 | 87.05 | 90.30 | 8.90 |
| Ec. 10 (10) | 0.78 | 89.12 | 89.93 | 88.03 | 11.64 |
| Ec. 11 (8) | 0.77 | 88.42 | 89.21 | 87.32 | 12.33 |
| Ec. 12 (9) | 0.79 | 89.47 | 89.21 | 89.21 | 10.27 |
| <i>Índices lineales de Átomos</i> | | | | | |
| Ec. 13 (9) | 0.77 | 88.42 | 87.77 | 88.41 | 10.96 |

En la Tabla 4 y 5 se sumarizan los parámetros comúnmente usados en estadística médica [Sensibilidad, especificidad, falsos positivos y coeficiente de correlación de Matthew (*C*)]^[66] así como los porcentajes de buena clasificación obtenidos en el ajuste de cada

modelo utilizando la misma serie de aprendizaje. En este contexto la sensibilidad no es más que la probabilidad de predecir un ejemplo positivo correctamente, mientras que la especificidad es la probabilidad de que una predicción positiva es correcta. A su vez, C cuantifica la fuerza de la relación lineal entre los descriptores moleculares y las clasificaciones, y puede proporcionar a menudo una evaluación mucho más equilibrada de la predicción que, por ejemplo, que los porcentajes globales de clasificación correcta. De forma general podemos plantear que los modelos presentan parámetros estadísticos significativos. Todos los modelos obtenidos presentan buenos porcentajes de clasificación global, por encima de 75%, valor límite establecido para la modelación de la actividad biológica. Es importante resaltar que el mejor modelo obtenido es el de índices lineales no estocásticos (Ec.6), resultante de las combinación de las diferentes ponderaciones, mostrando una exactitud de 91.82 % y un coeficiente de correlación de Matthew de 0.84 (Tabla 4).

Los resultados de la clasificación para los compuestos activos e inactivos se muestran en el [Anexo 2a-d](#). En el caso de la serie de predicción externa, útil aplicación de un modelo QSAR en la predicción de la actividad de nuevas entidades químicas, se observa que los parámetros estadísticos no presentan una gran variación con respecto a la serie de entrenamiento. En esta serie todos los modelos clasificaron correctamente más del 88.40% de los compuestos activos y el 88.77 % de los compuestos inactivos, para un porcentaje de buena clasificación global de 88.58 %. Estos valores son indicativos del poder predictivo de los modelos.

Uno de los principales parámetros que se debe tener en cuenta cuando los modelos son usados en la práctica de la química médica es *la razón de falsa alarma positiva (FAR)*. Este parámetro revela la probabilidad de seleccionar un compuesto negativo (no analgésico) como positivo (analgésico), o sea un falso activo.

El cálculo de este parámetro estadístico se realizó tanto para las SE como para las SP por cada uno de los modelos obtenidos. En los dos casos la **FAR** se comportó por debajo del 12.33 %. Teniendo en cuenta la cantidad de compuestos químicos que existen en la actualidad a los cuales no se les han realizado ningún tipo de ensayos frente a microorganismos patógenos, es preferible obtener una **FAR** lo más baja posible, pues de

esta manera no estaremos evaluando compuestos que los modelos lo describen como positivo, siendo realmente negativos.

Por tanto, es posible emplear dichos modelos obtenidos en el “screening” virtual con vistas a la identificación de nuevas moléculas potencialmente analgésicas.

4.3 Identificación de Nuevas Entidades Moleculares como Analgésicos utilizando los Modelos *in silico*: El “Screening” Virtual como una Promisoria Alternativa para la Selección y el Diseño Racional de Fármacos Analgésicos.

El “screening” virtual ha emergido como una interesante alternativa para la evaluación masiva de compuestos químicos^[33]. Este proceso consiste en utilizar los modelos obtenidos en la evaluación virtual de grandes bases de datos en orden de encontrar un conjunto reducido de compuestos predichos con la actividad biológica deseada. Por tal motivo, conjuntamente con el desarrollo y corroboración de los modelos de predicción, se desarrolla un procedimiento de evaluación *in silico* de fármacos con diversos usos farmacológicos con el objetivo de identificar compuestos analgésicos.

En este sentido, podemos plantear que existen 2 enfoques diferentes para encontrar un nuevo compuesto analgésico:

- 1) diseño de nuevos compuestos para ser sintetizados en un laboratorio químico y posteriormente evaluados experimentalmente o
- 2) encontrar compuestos conocidos, con otras actividades o usos, en bases de datos químicas y probar su actividad analgésica experimentalmente.

Ambos enfoques son importantes y muy utilizados en la práctica farmacéutica, el primero permite el diseño de nuevos cabezas de serie (compuestos líderes) con la actividad deseada, pero ellos necesitan ser primeramente sintetizados, evaluados farmacológicamente y finalmente tienen que pasar a través de rigurosos ‘test’ toxicológicos y farmacodinámicos. Sin embargo, los compuestos seleccionados con el segundo enfoque ya tienen métodos de síntesis bien establecidos y en muchos casos su comportamiento toxicológico y farmacodinámico es bien conocido, sobre todo para el caso de compuestos comercializados como fármacos. Estas razones justifican el hecho de que se seleccionara primeramente el segundo método de búsqueda para encontrar nuevos compuestos analgésicos. A partir de una exhaustiva búsqueda en el Merck Index^[70] y en el Martin Negwer Handbook,^[71] se obtienen 1420 compuestos para ser evaluados en los

modelos. Otra parte de la data esta formada por un grupo de moléculas sintetizadas por diferentes laboratorios, las cuales no presentan reportes de su actividad farmacológica.

En el [Anexo 3a](#) aparecen reportados los valores de $\Delta P\%$ para los compuestos con otras actividades y se muestra una lista de compuestos que fueron identificados (seleccionados) por todos los modelos de clasificación como promisorios analgésicos y con una probabilidad mayor que el 90 %, en todos los casos. Entre estos, podemos encontrar conocidos fármacos con otras propiedades farmacológicas como antidepresivos, antiespasmódicos y antihistamínicos. Dichas propiedades involucran mecanismos moleculares que incluyen sedación y acción sobre el Sistema Nervioso que pueden estar relacionados con la actividad analgésica.

Además en el “screening” virtual se evalúan un grupo de compuestos que no presentan actividad farmacológica reportada a través de los modelos QSAR obtenidos donde un reducido grupo fue identificado por las funciones discriminantes como posibles analgésicos. Los resultados de la clasificación de estas nuevas entidades moleculares se muestran en los [Anexos 3b](#).

Estos resultados son unos de los más importantes criterios de validación de los modelos desarrollados en este trabajo, pues estos son capaces de detectar una serie de compuestos como activos a partir de miles de compuestos incluidos en las bases de datos. Por supuesto, ello es un resultado preliminar y la actividad de los compuestos seleccionados como analgésicos tienen que ser corroborada experimentalmente.



CONCLUSIONES

Una vez concluido el presente trabajo llegamos a las siguientes conclusiones:

- ❖ Se colectó una amplia base de datos a partir de la literatura de compuestos con actividad analgésica para acceder al análisis y la modelación confiable de la misma.
- ❖ Se obtuvieron modelos QSAR utilizando descriptores **TOMOCOMD-CARDD** que permitieron la descripción de la actividad analgésica.
- ❖ Se desarrollaron procesos de validación externa de los modelos encontrados, para demostrar la robustez y el poder predictivo de los mismos.
- ❖ Se aplicaron todos los modelos obtenidos al “screening” virtual de compuestos químicos para evidenciar las potencialidades del método **TOMOCOMD-CARDD** en la selección/identificación de nuevos compuestos líderes con actividad analgésica.

RECOMENDACIONES

6

1. Desarrollar modelos QSAR utilizando una serie de descriptores **TOMOCOMD-CARDD** que permitan la modelación de la actividad analgésica.
2. Realizar los ensayos *in vitro* e *in vivo* de los compuestos seleccionados para corroborar la actividad analgésica.

7

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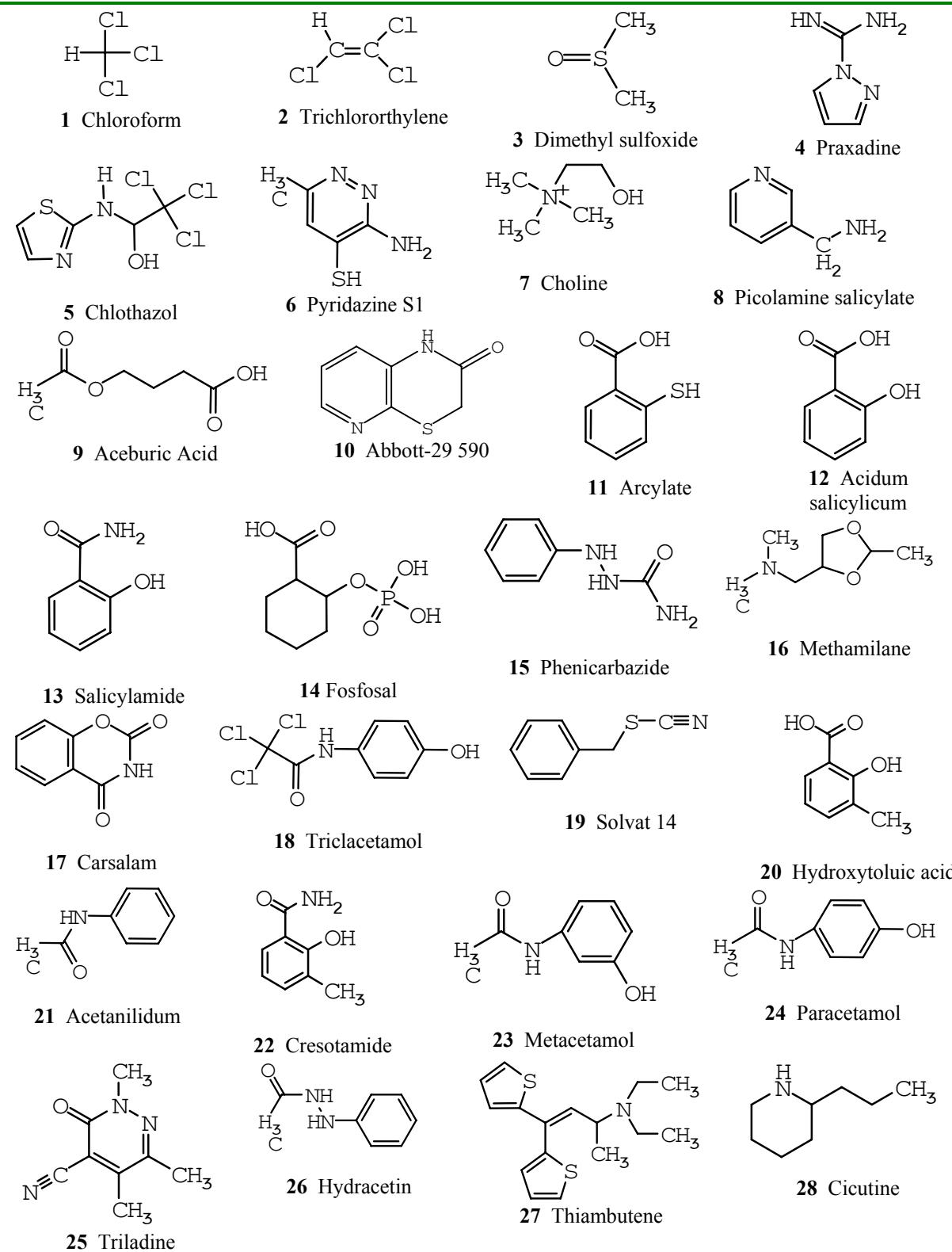
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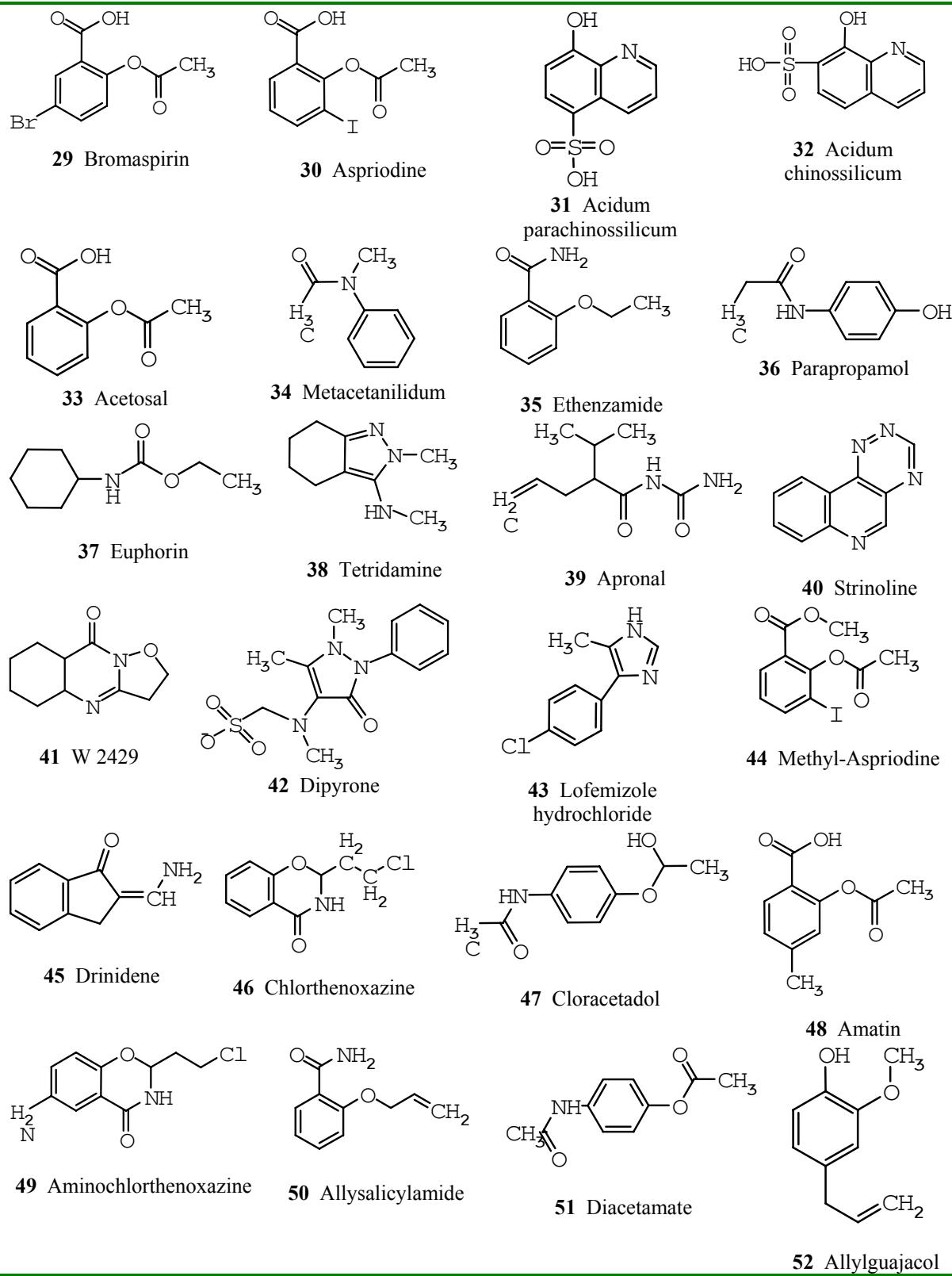
ANEXOS

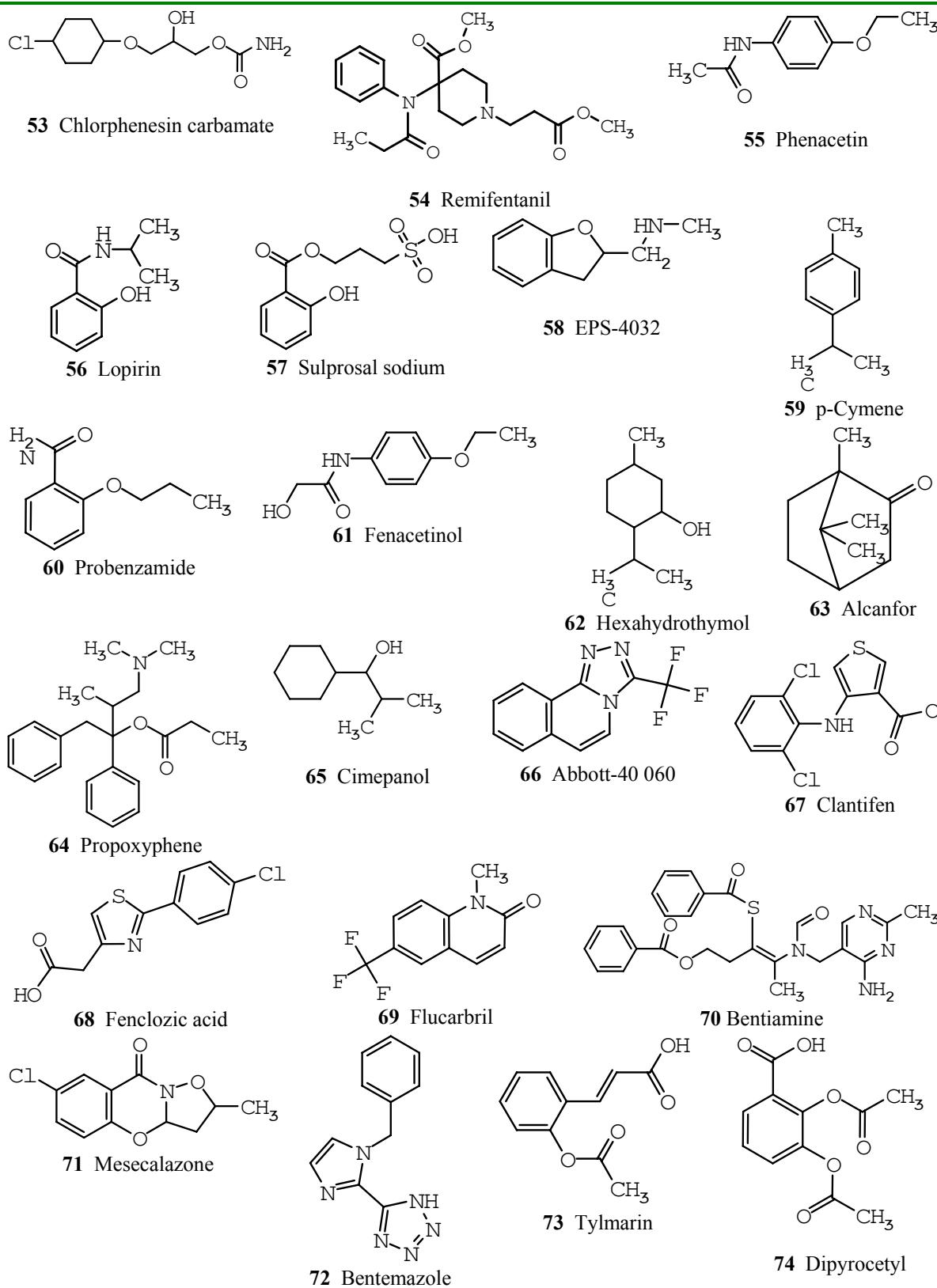
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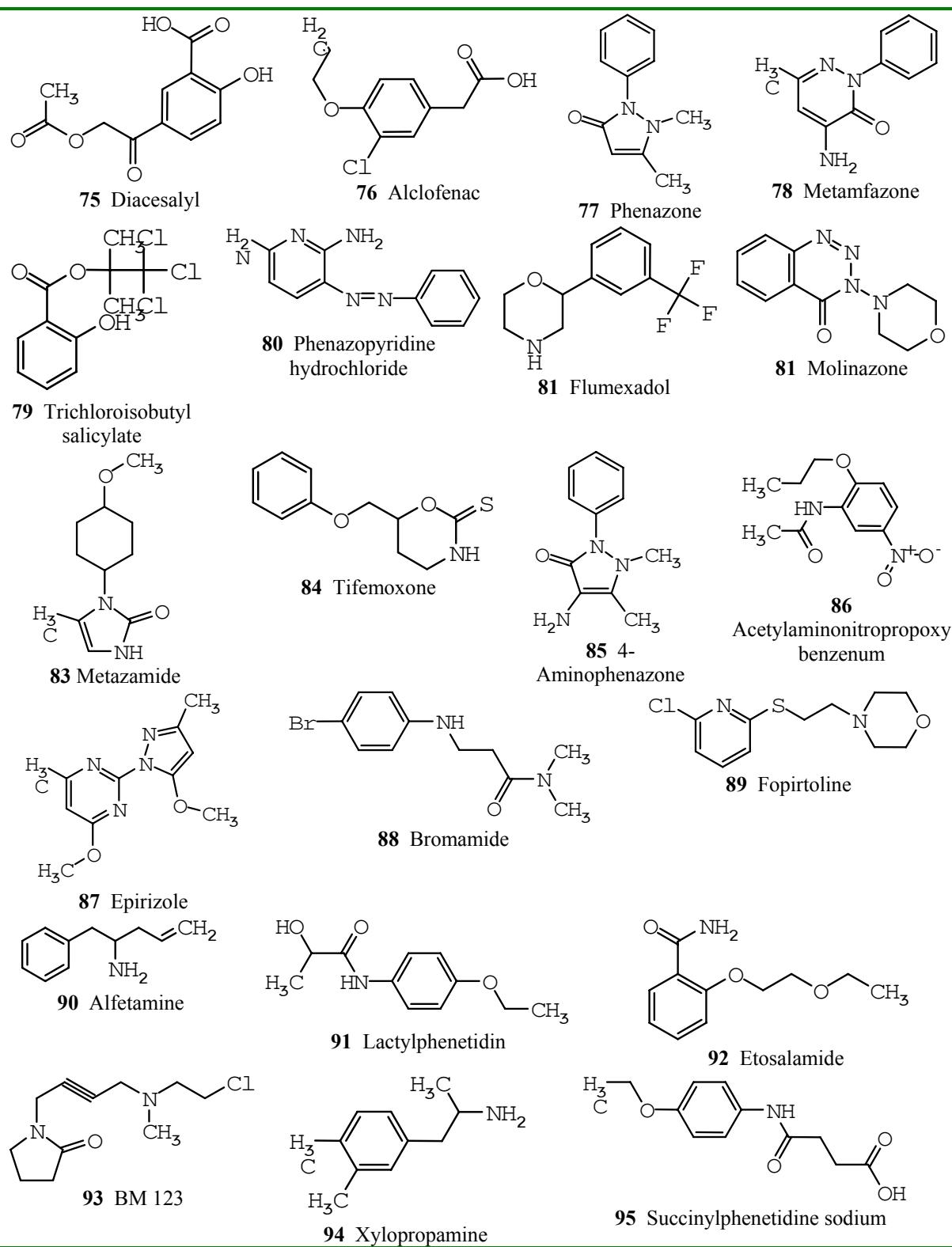
Anexo 2: [a\) Resultados de la clasificación de los compuestos activos en la SE](#)
[b\) Resultados de la clasificación de los compuestos inactivos en la SE](#)
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[d\) Resultados de la clasificación de los compuestos inactivos en la SP](#)

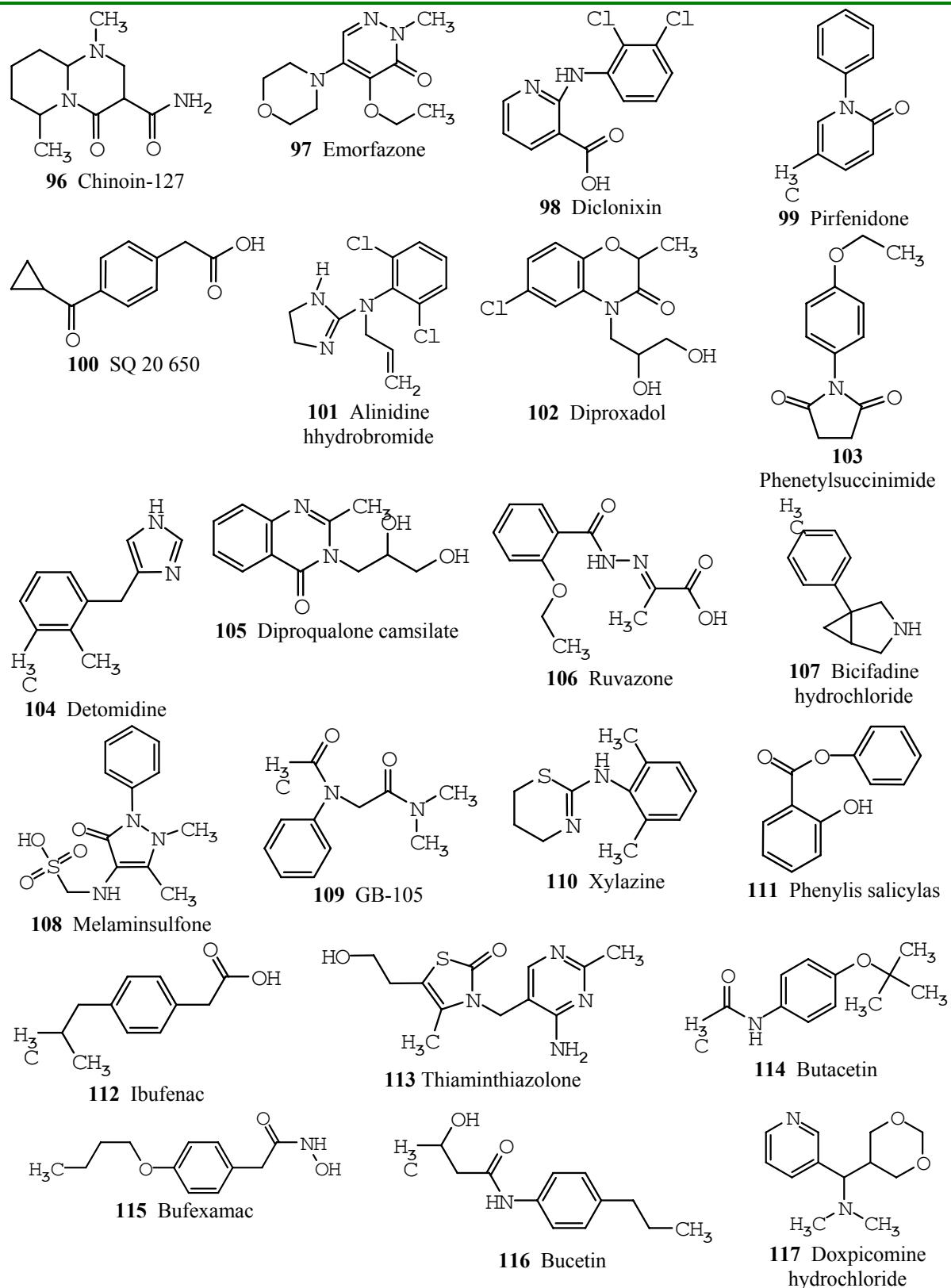
Anexo 3: [a\) Los valores de \$\Delta P\%\$ para los compuestos con otras actividades](#)
[b\) Los compuestos sintetizadas por diferentes laboratorios.](#)

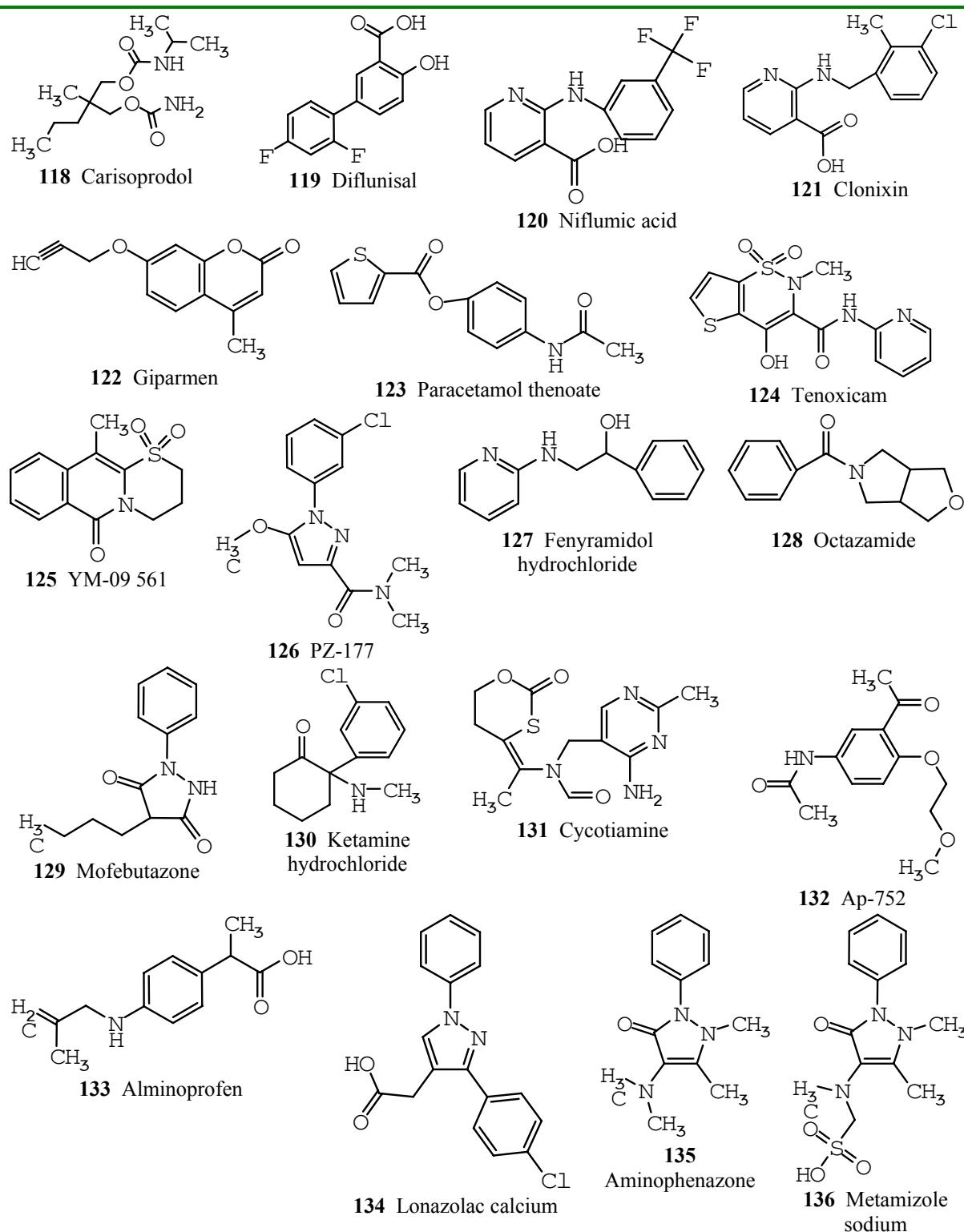
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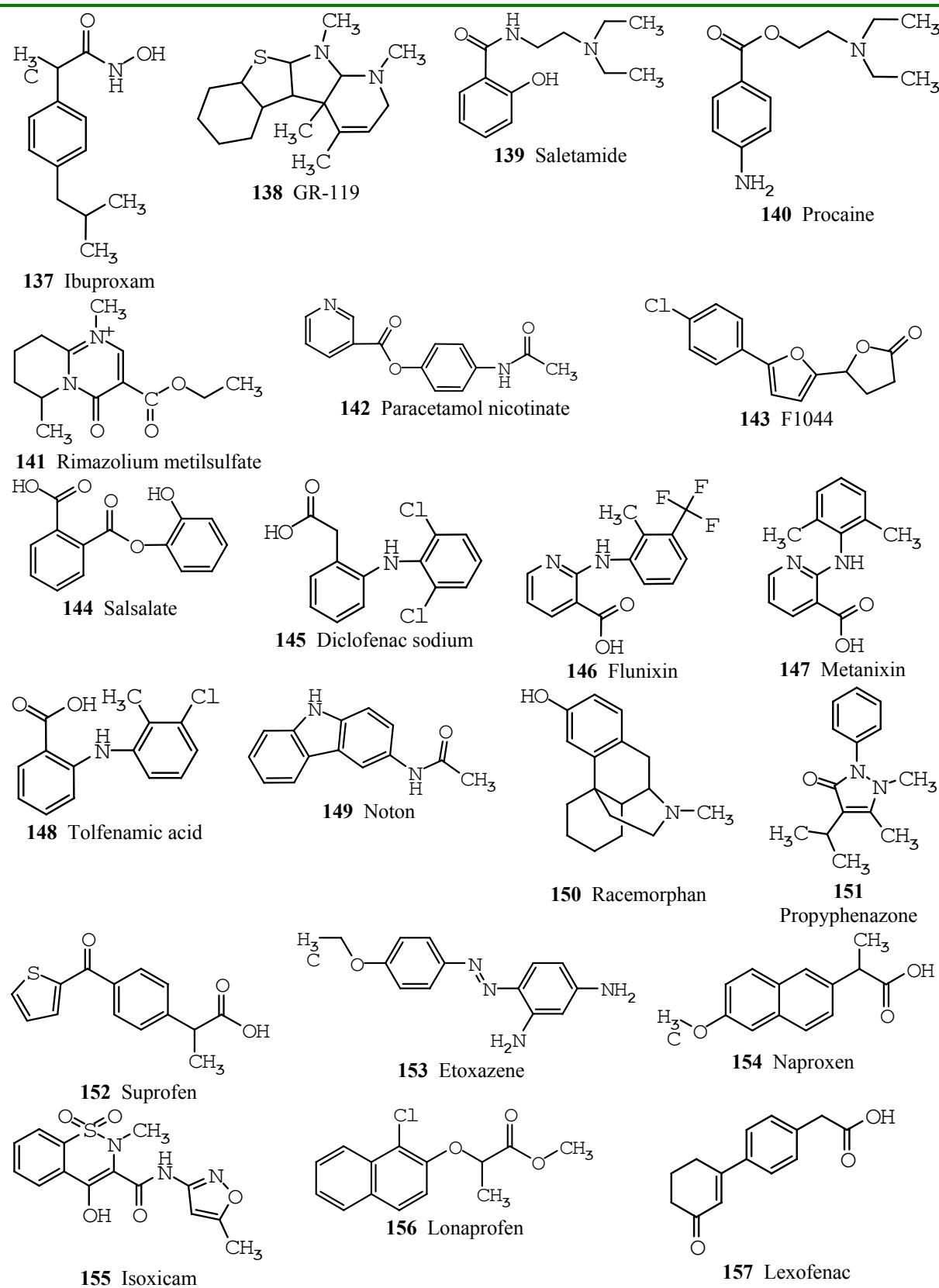


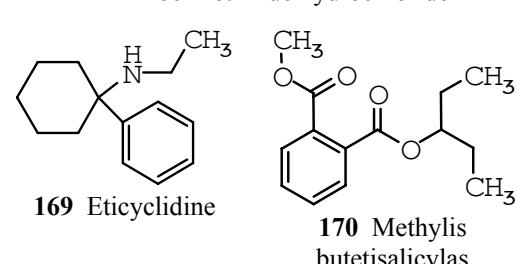
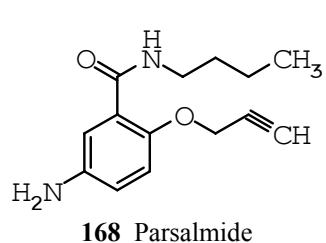
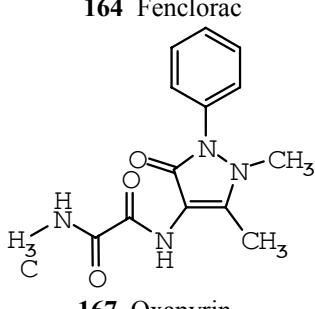
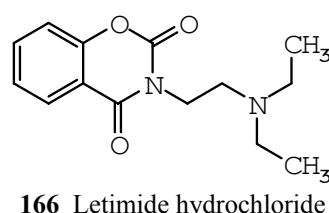
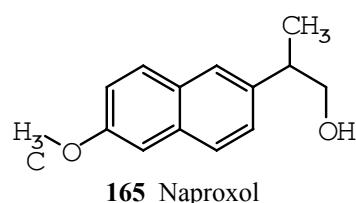
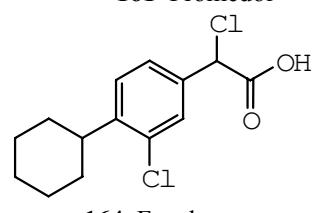
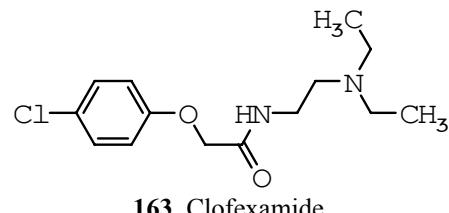
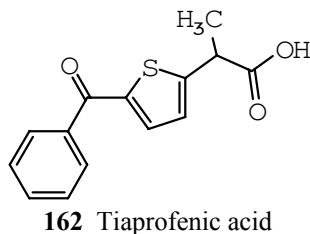
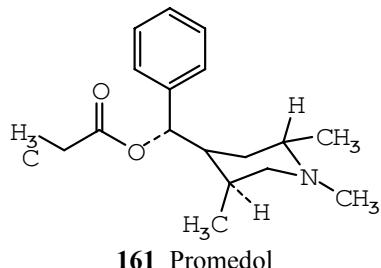
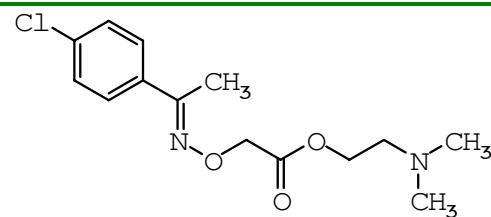
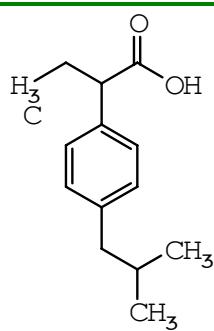
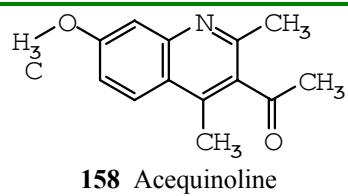




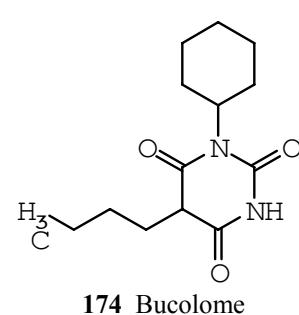
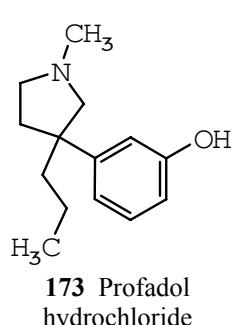
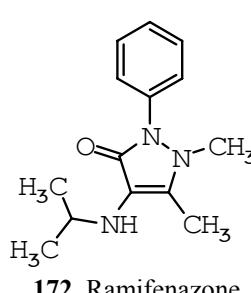
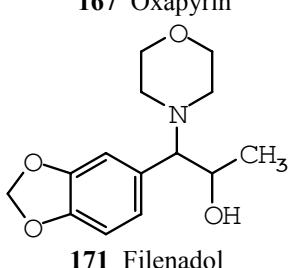


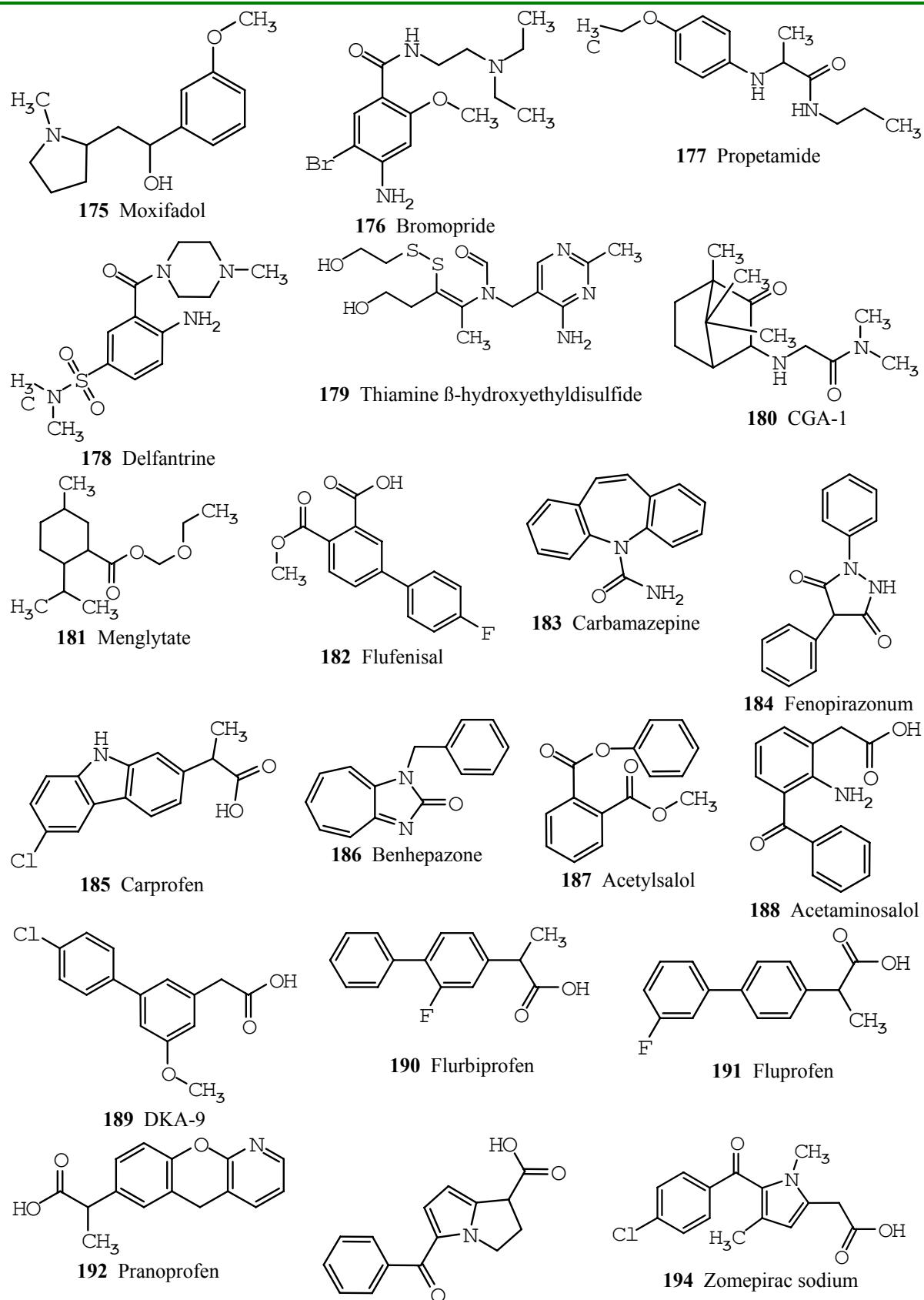


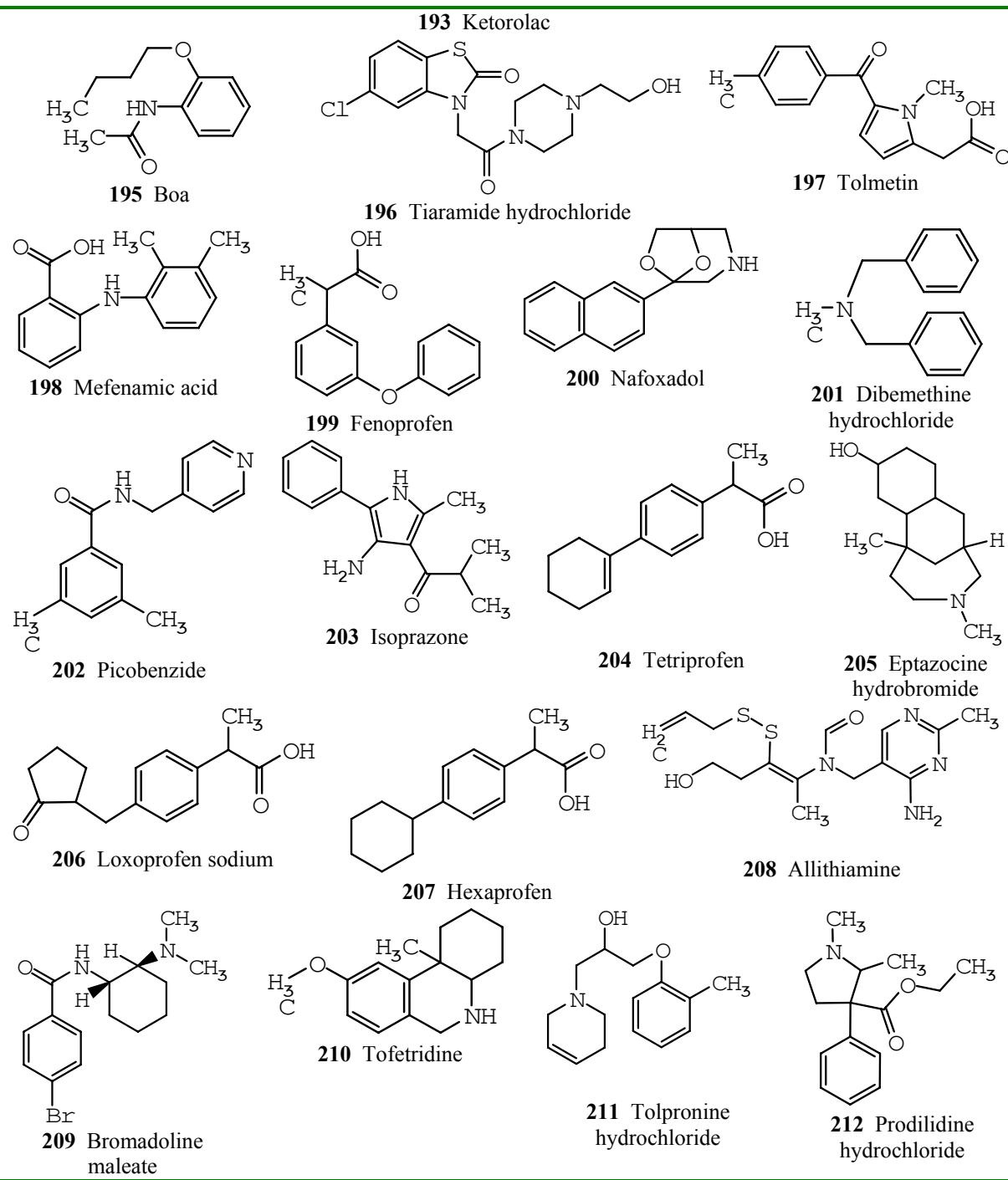


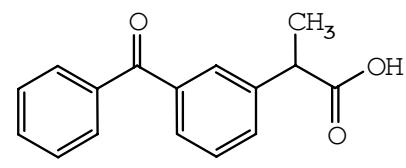
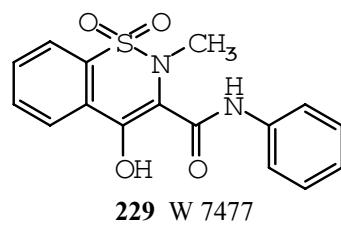
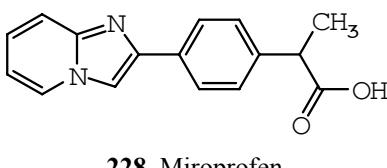
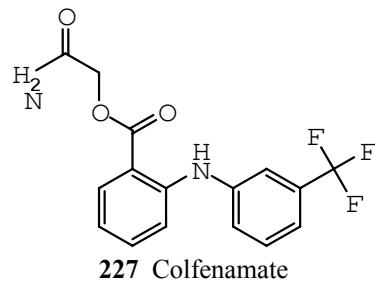
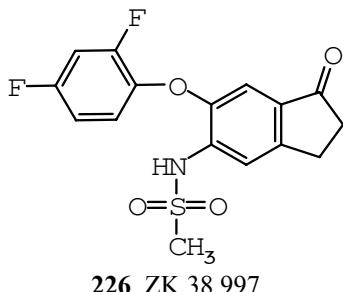
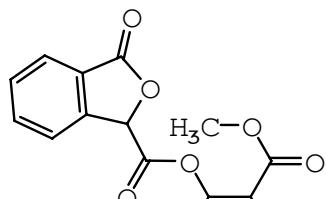
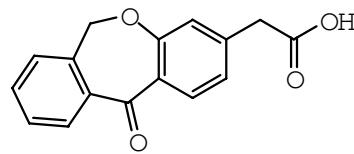
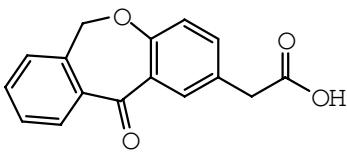
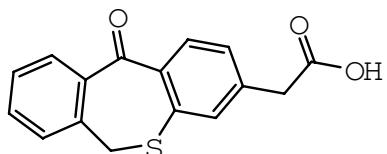
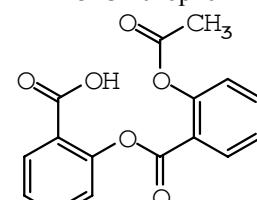
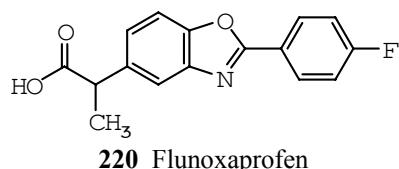
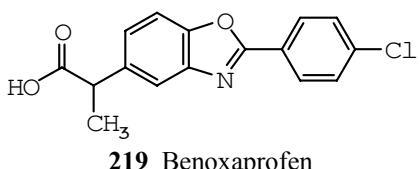
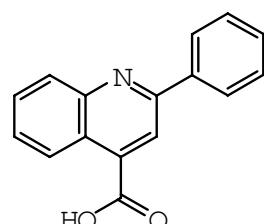
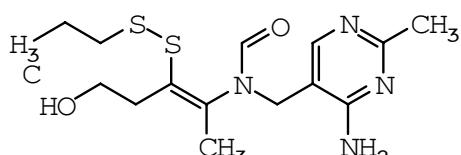
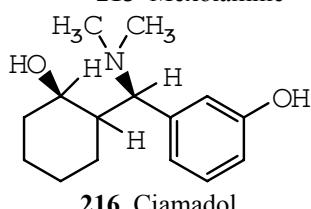
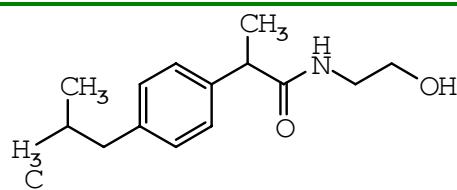
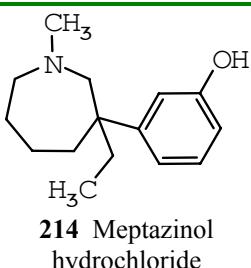
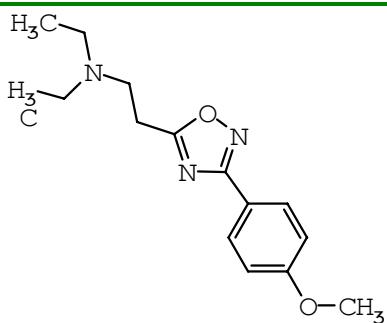


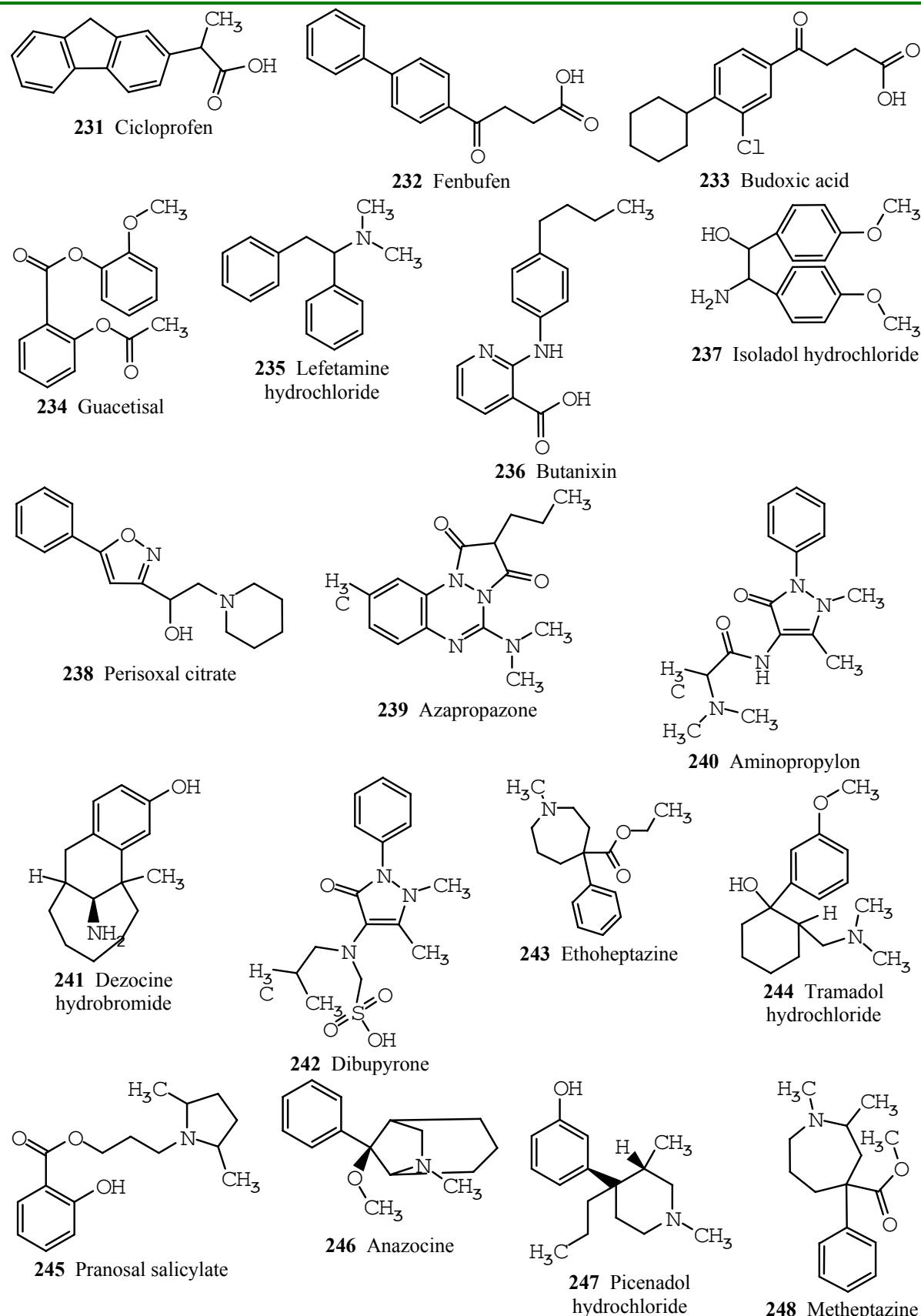
170 Methylis butetisalicylas

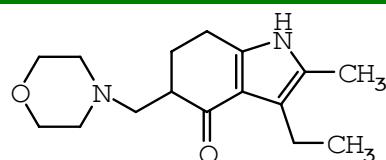
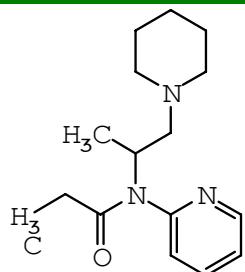
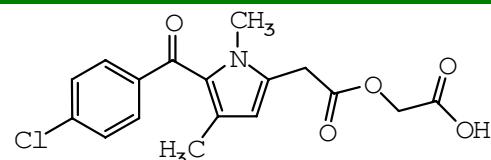
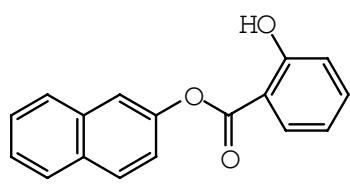
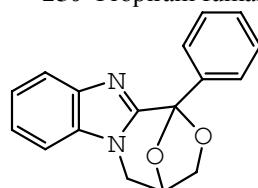
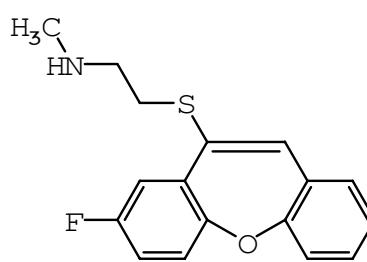
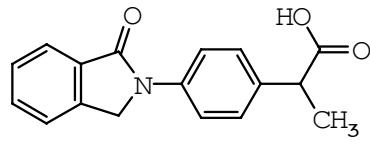
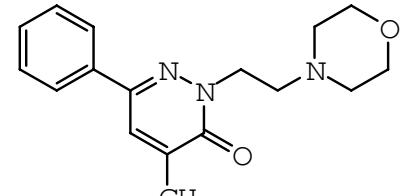
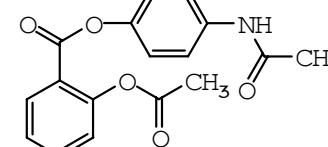
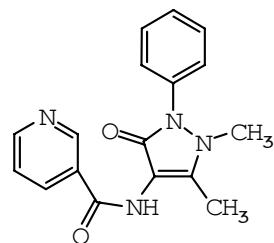
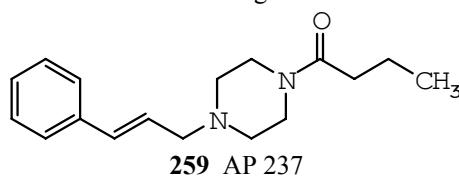
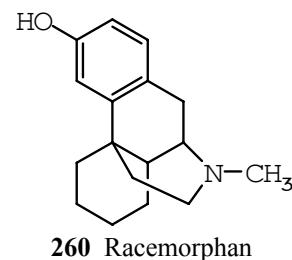
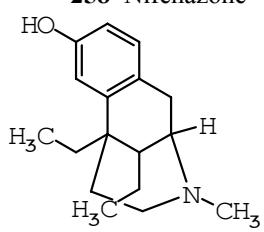
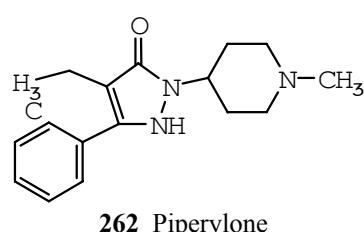
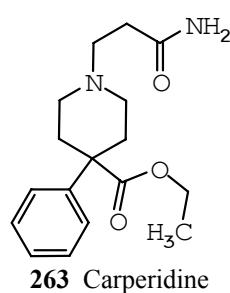
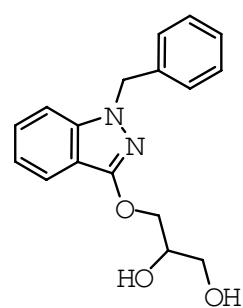


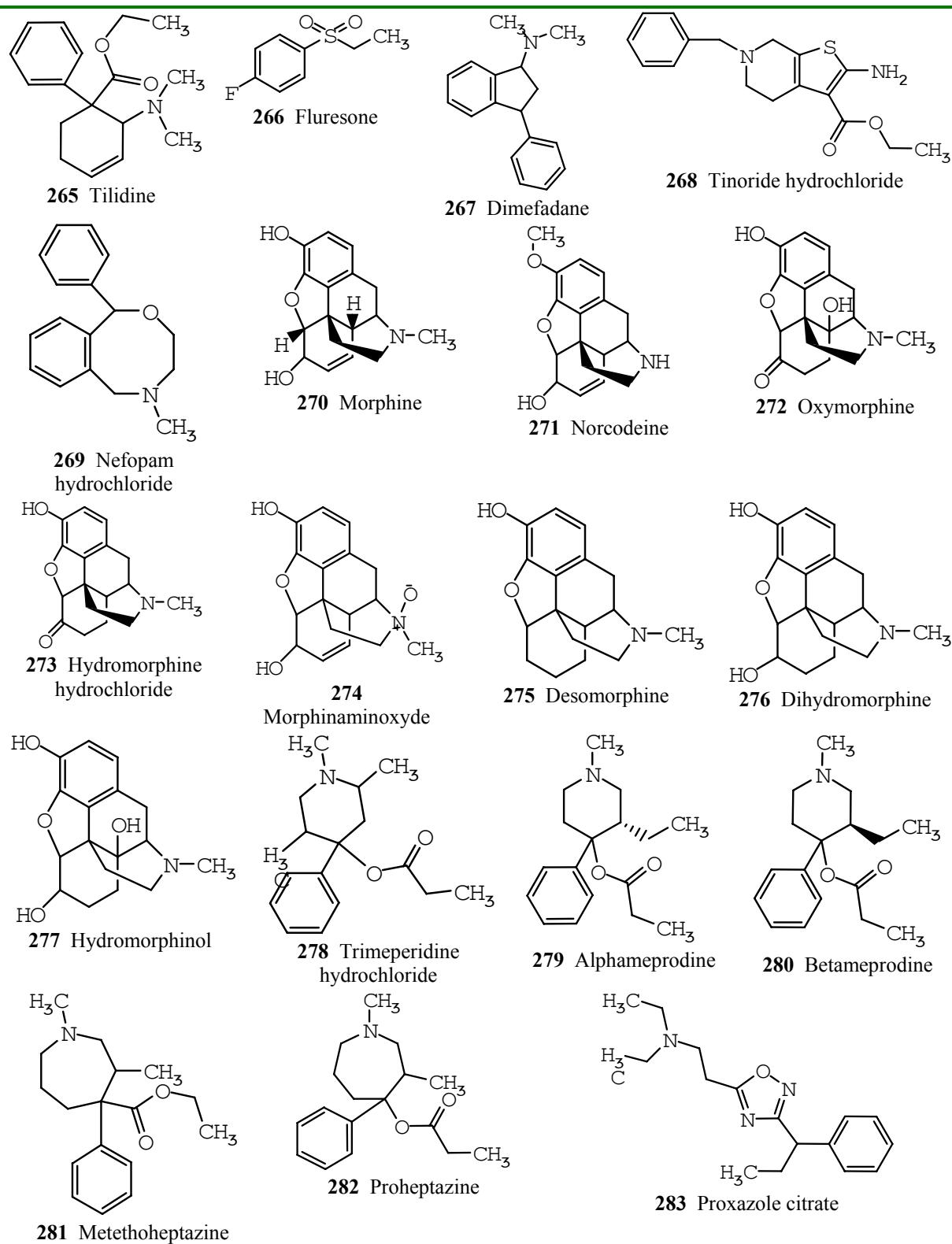


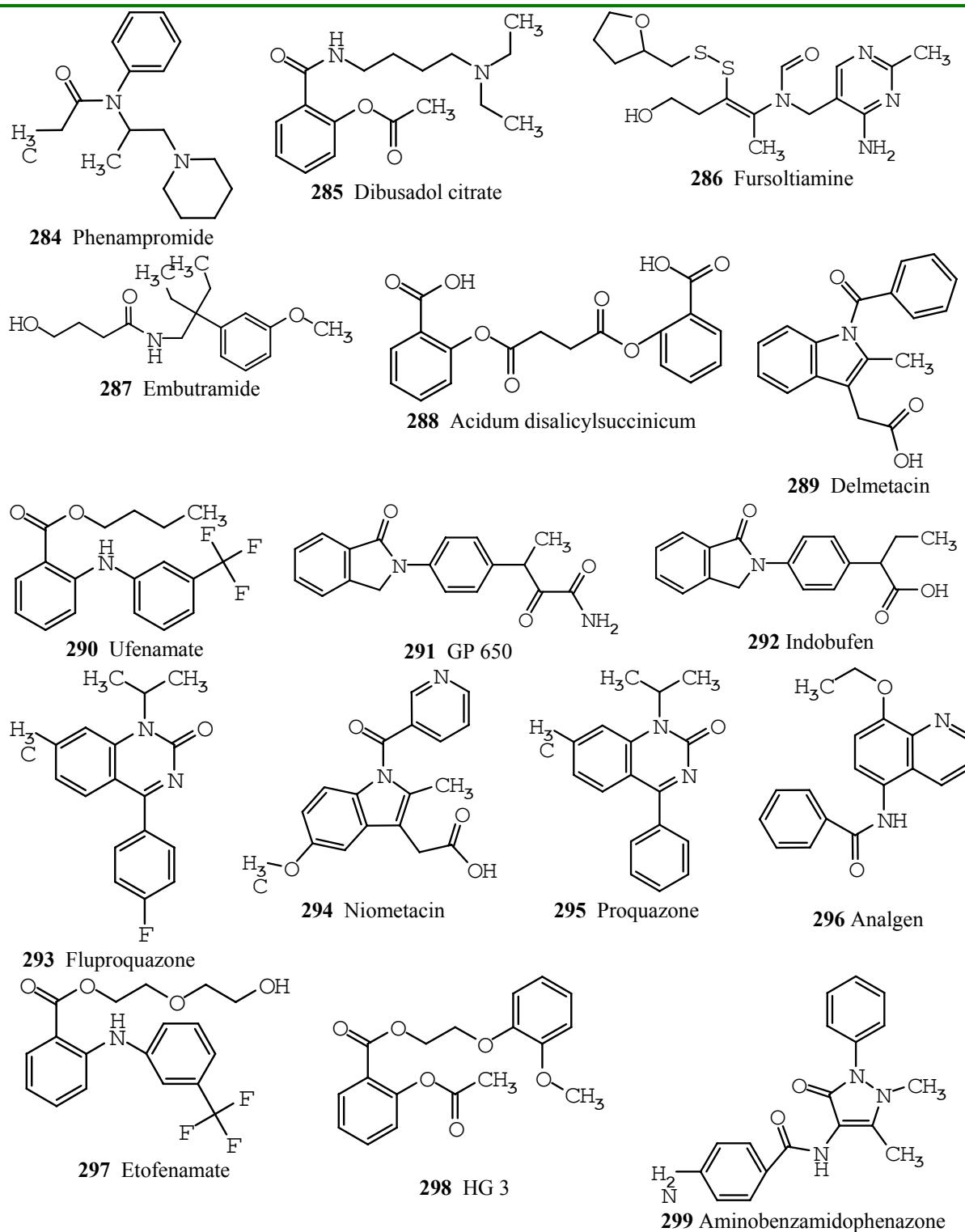


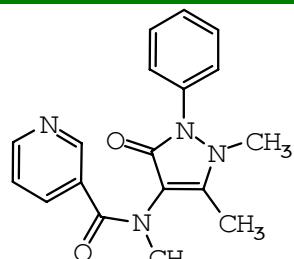
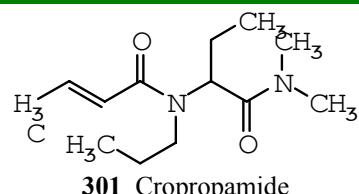
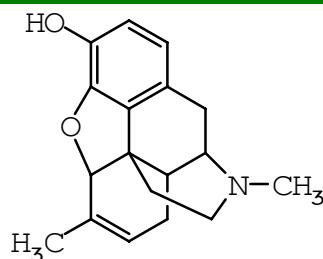
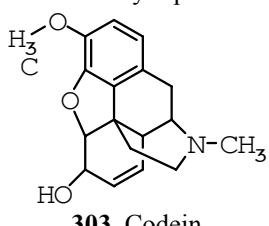
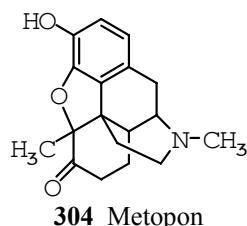
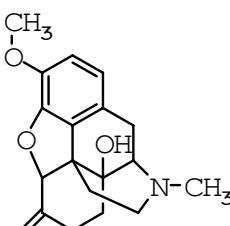
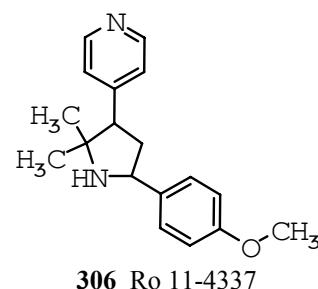
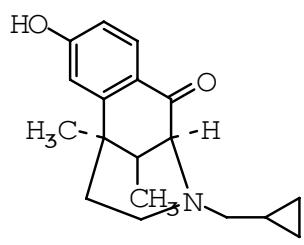
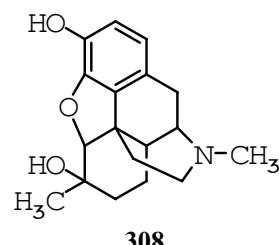
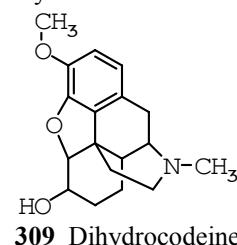
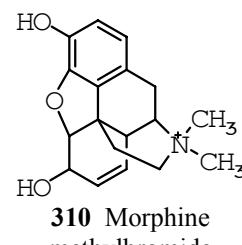
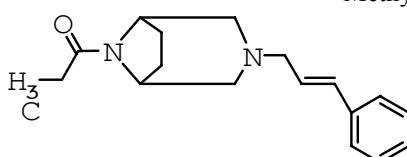
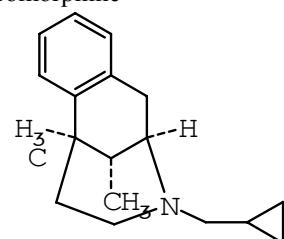
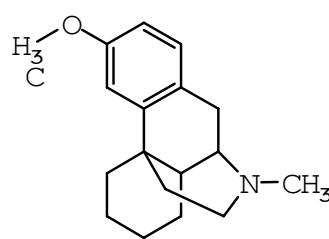
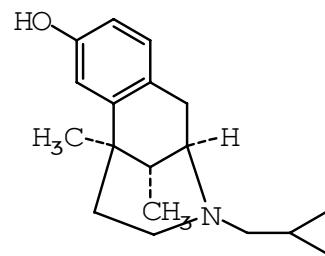
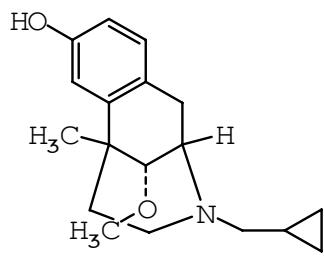
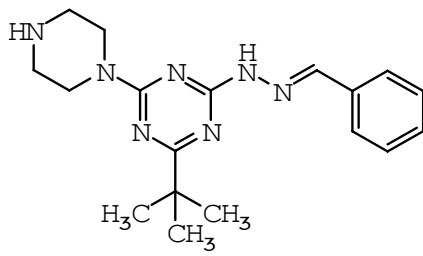


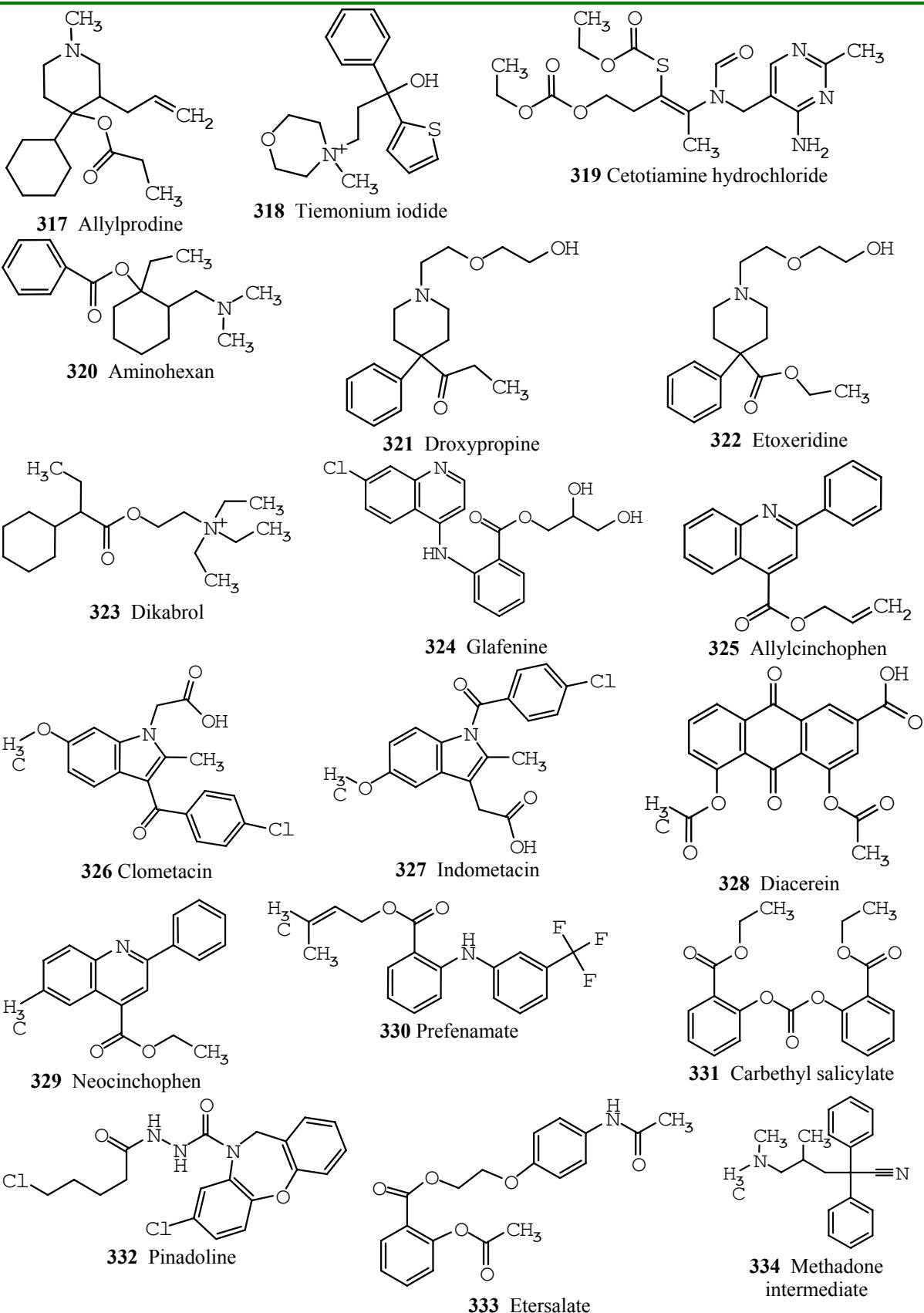


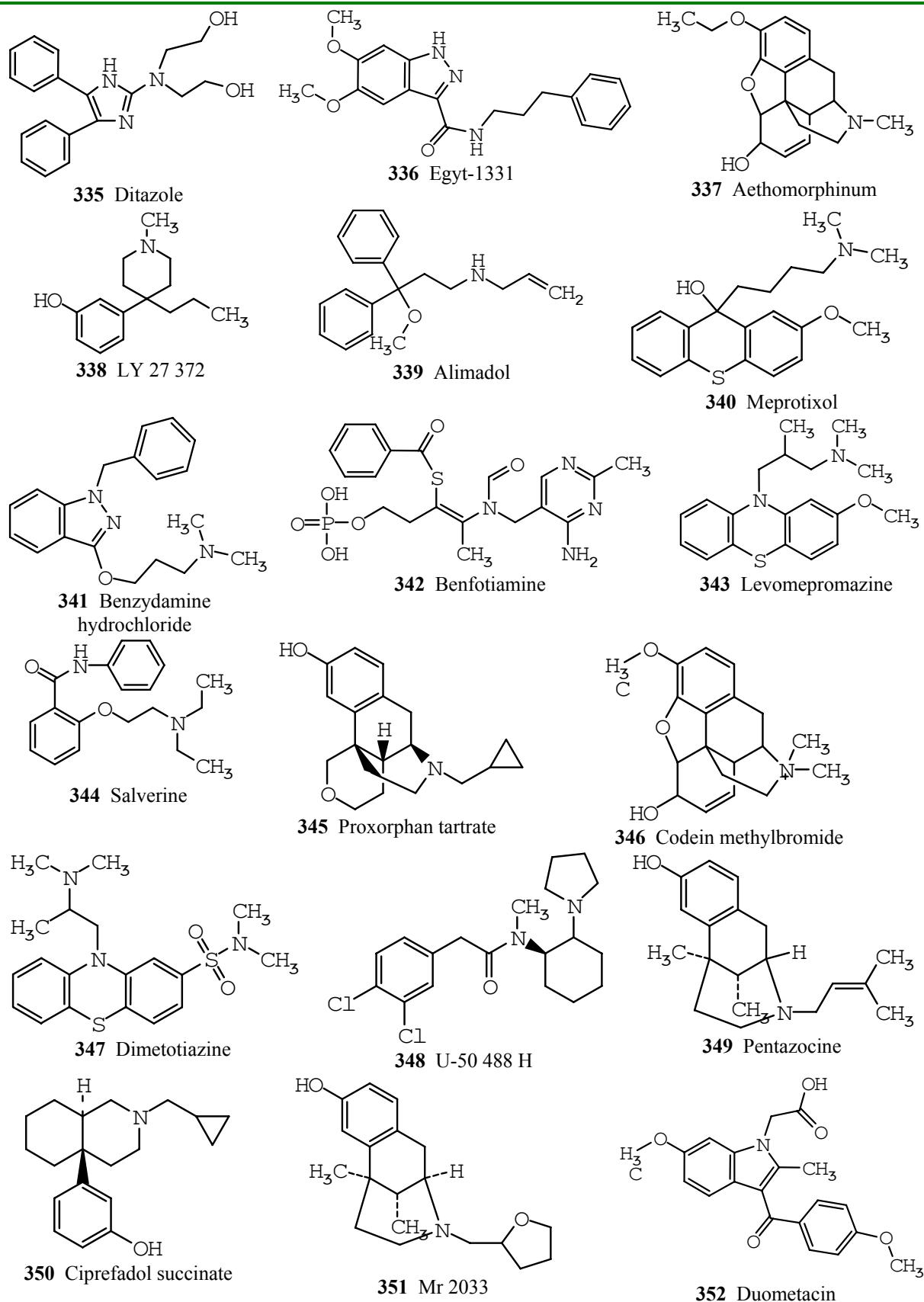
**249** Molindone hydrochloride**250** Propiram fumarate**251** Zomepirac glycolate**252** Betol**253** Oxapadol**254** Fluradoline hydrochloride**255** Indoprofen**256** Ag246**257** Benorilate**258** Nifenazone**259** AP 237**260** Racemorphan**261** Etazocine
hydrochloride**262** Piperydone**263** Carperidine**264** Benzidol

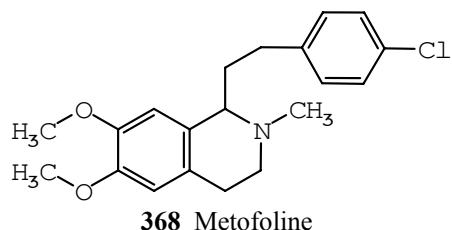
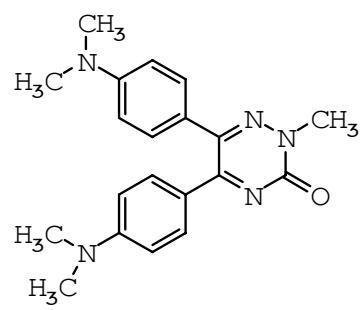
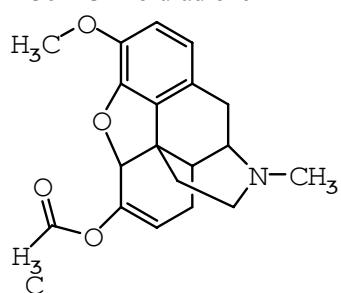
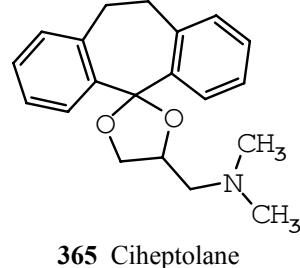
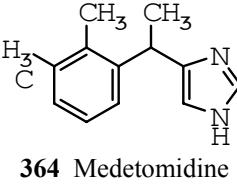
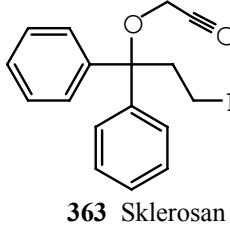
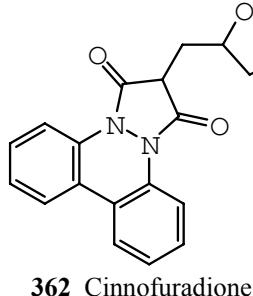
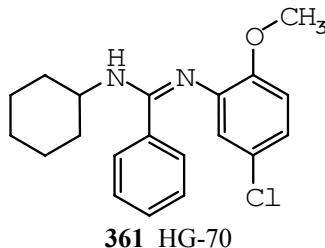
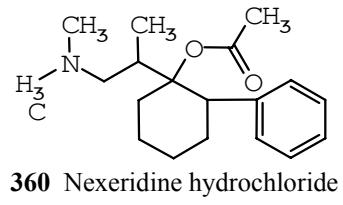
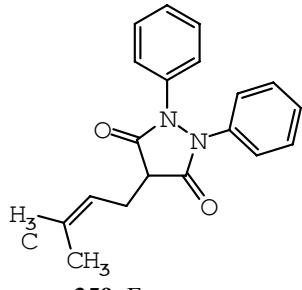
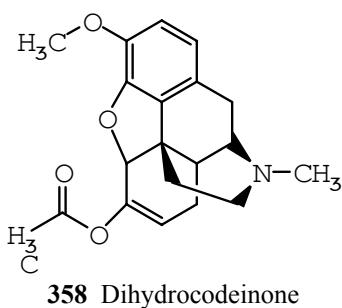
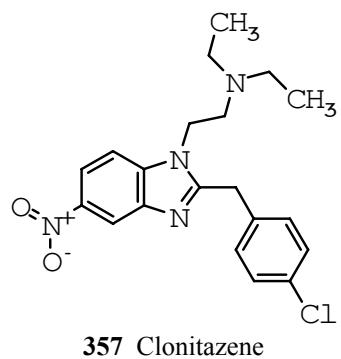
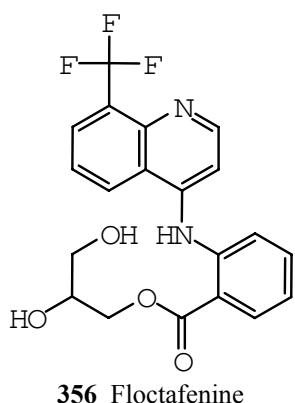
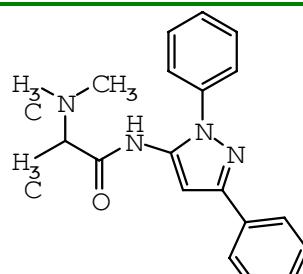
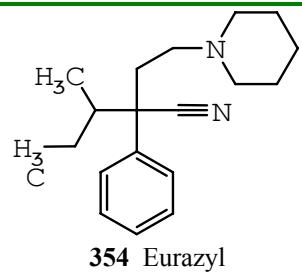
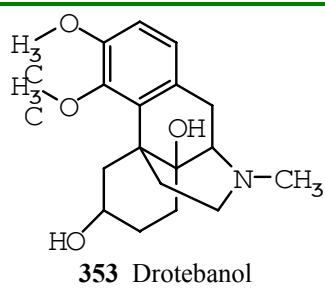


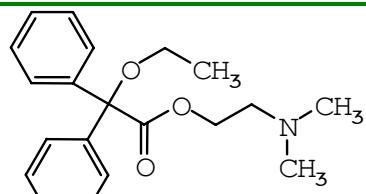


**300** Methylnaphenazine**301** Cropropamide**302** Methyldesorphine**303** Codein**304** Metopon**305** Oxycodone hydrochloride**306** Ro 11-4337**307** Ketazocine**308** Methyldihydromorphine**309** Dihydrocodeine**310** Morphine methylbromide**311** Azaprocin**312** Volazocine**313** Racemethorphan**314** Cyclazocine**315** Moxazocine**316** TR 35

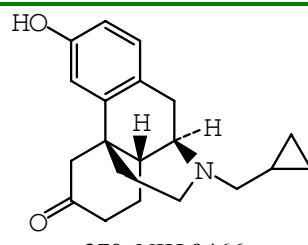




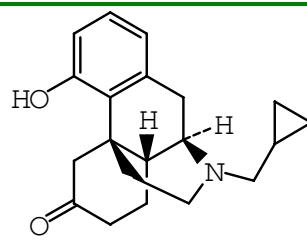




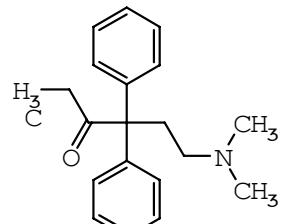
369 Dimerroxadol hydrochloride



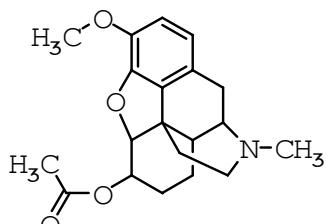
370 NIH 9466



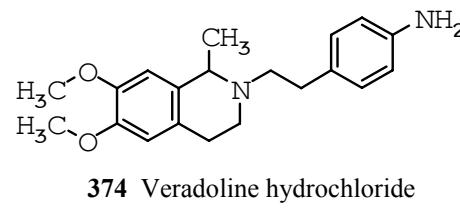
371 Ketorfanol



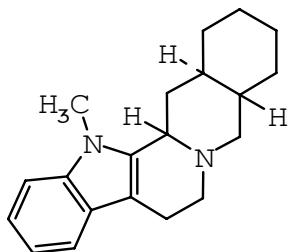
372 Normethadone



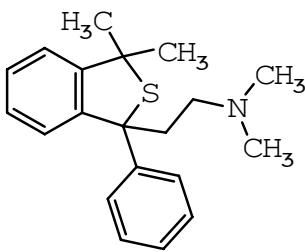
373 Acetyldihydrocodeine



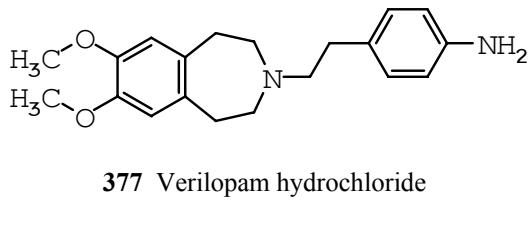
374 Veradoline hydrochloride



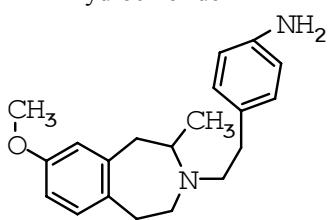
375 Mimbane hydrochloride



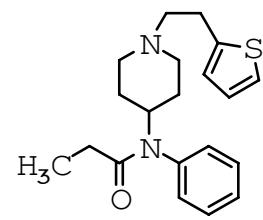
376 Lu 6-062



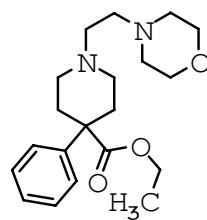
377 Verilopam hydrochloride



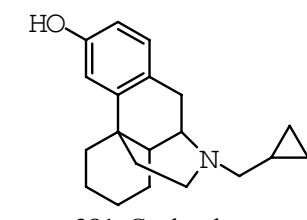
378 Anilopam hydrochloride



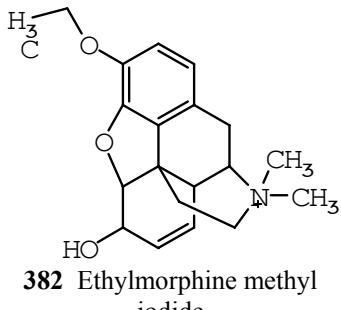
379 Fentatiенил



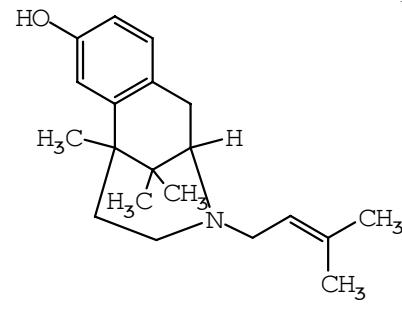
380 Morpheridine



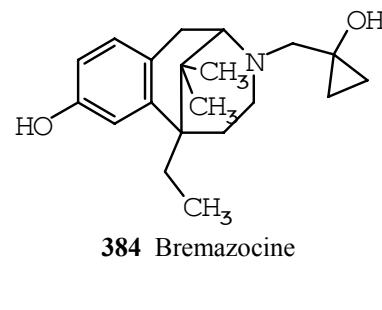
381 Cyclorphan



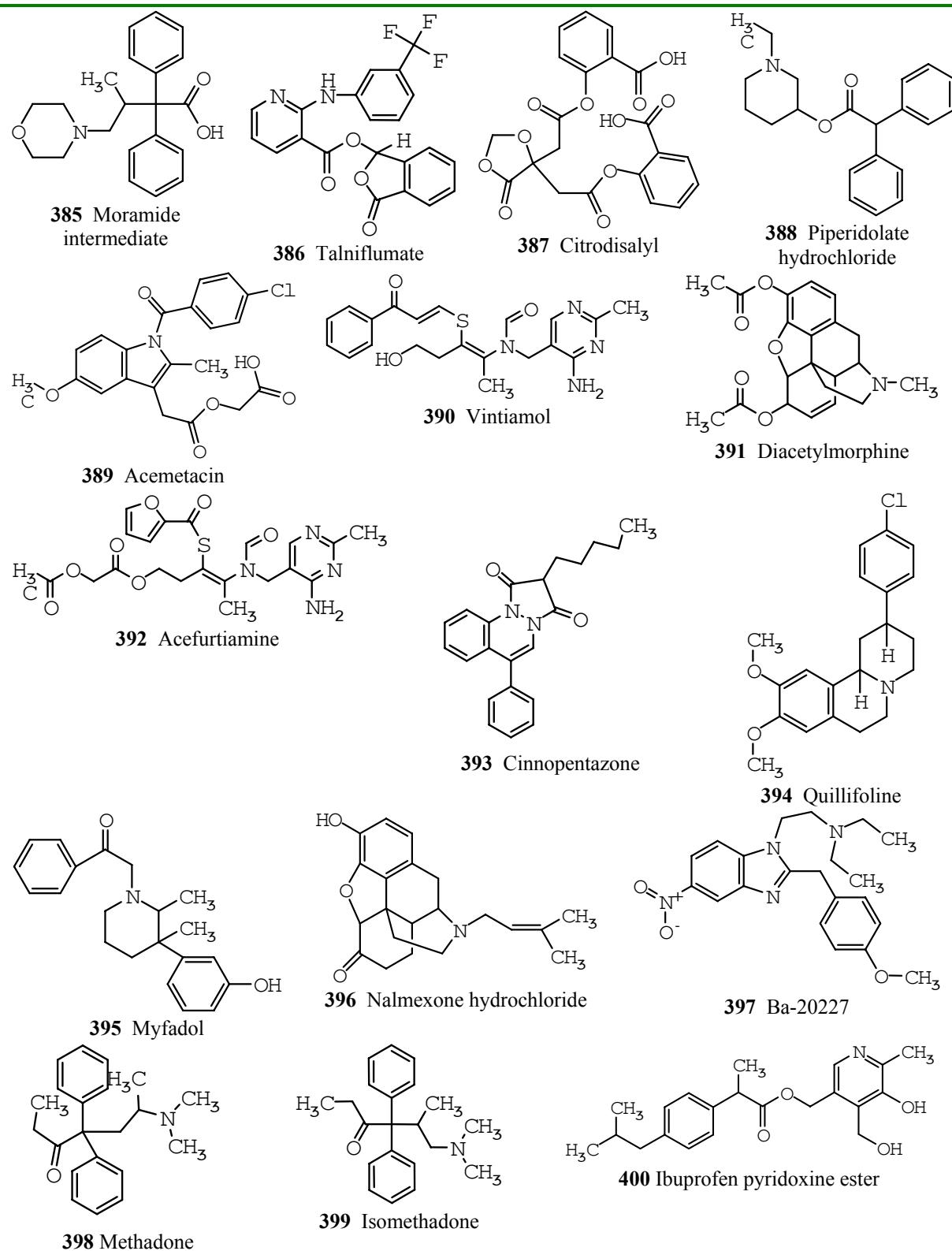
382 Ethylmorphine methyl iodide

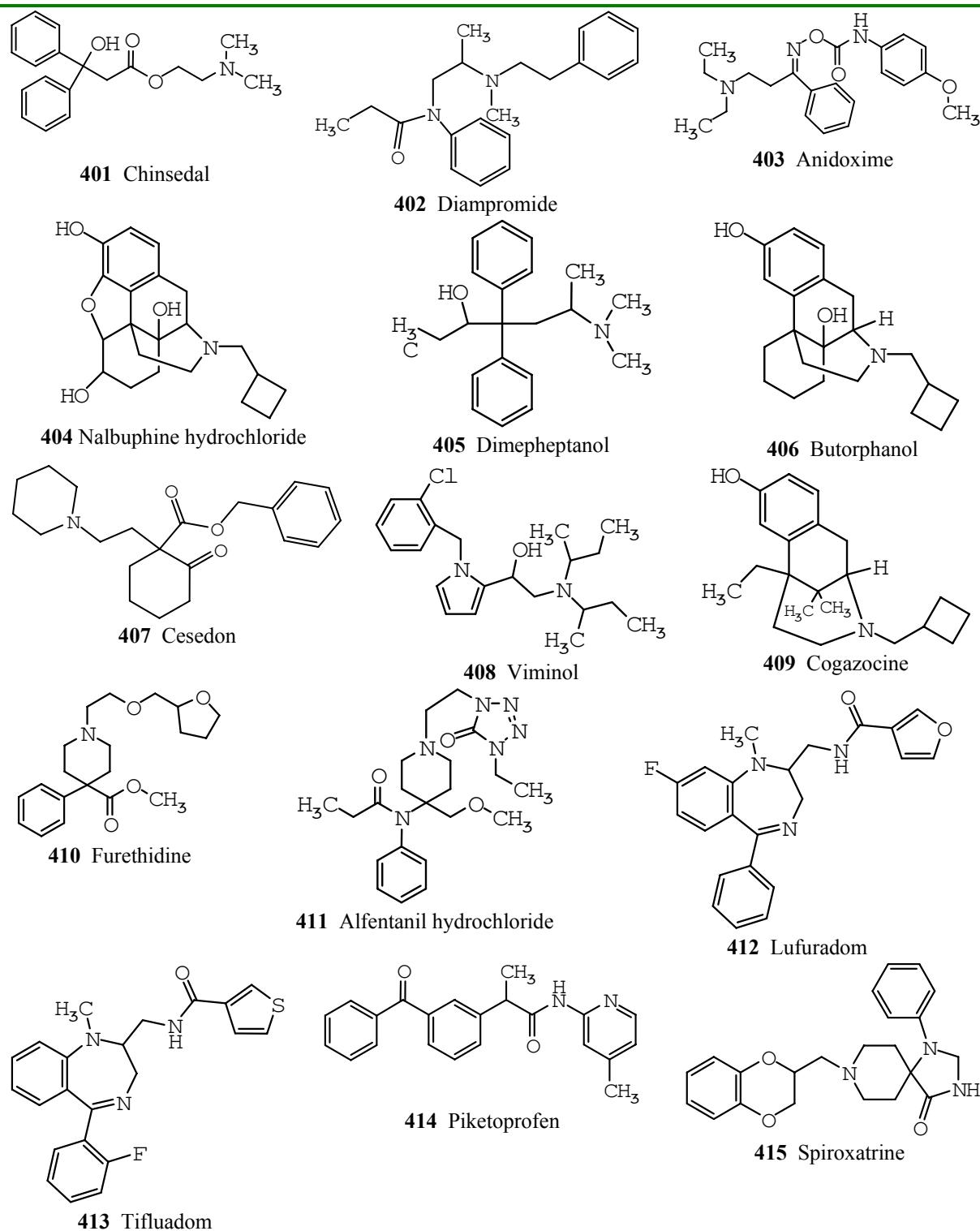


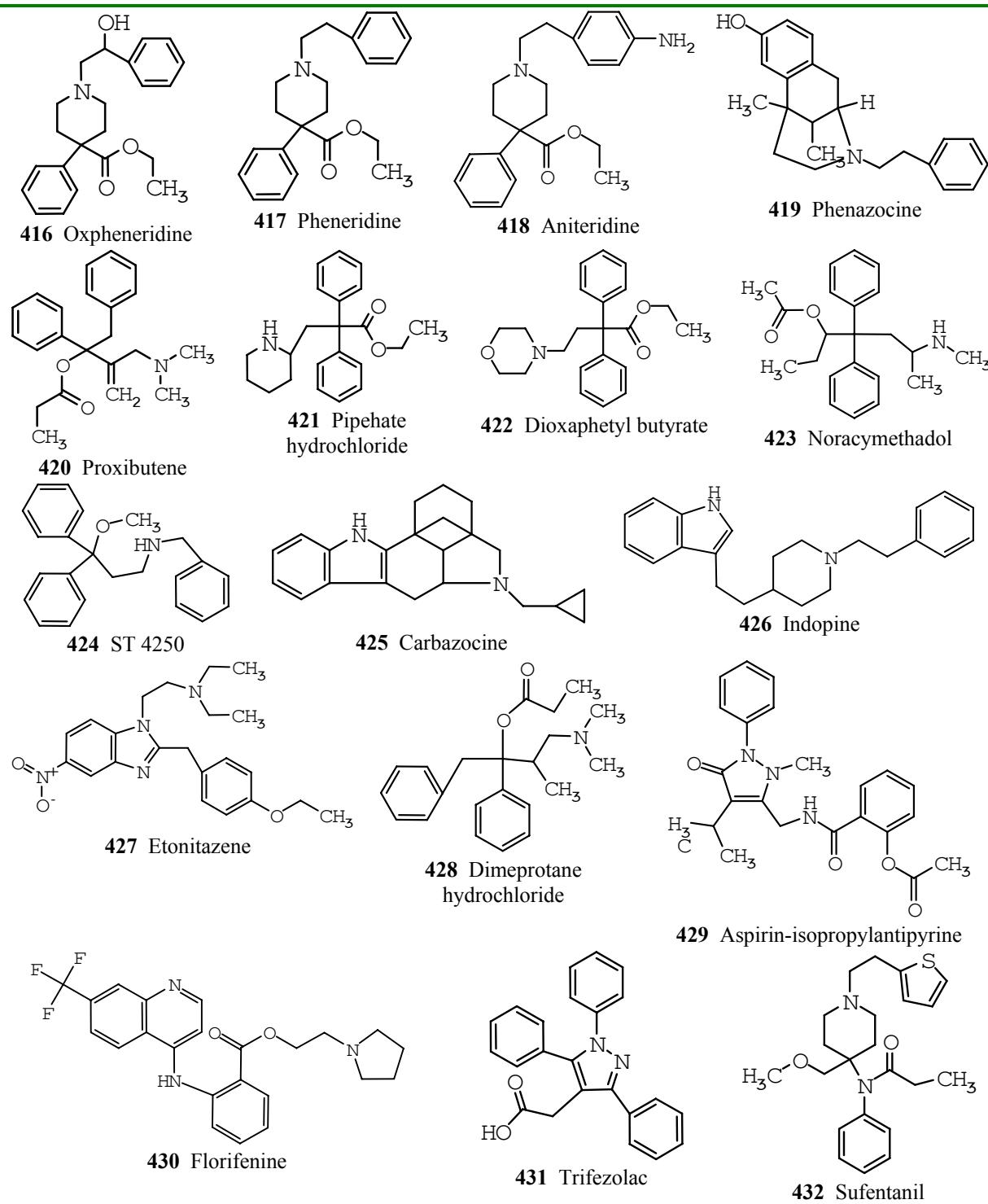
383 Ibazocine

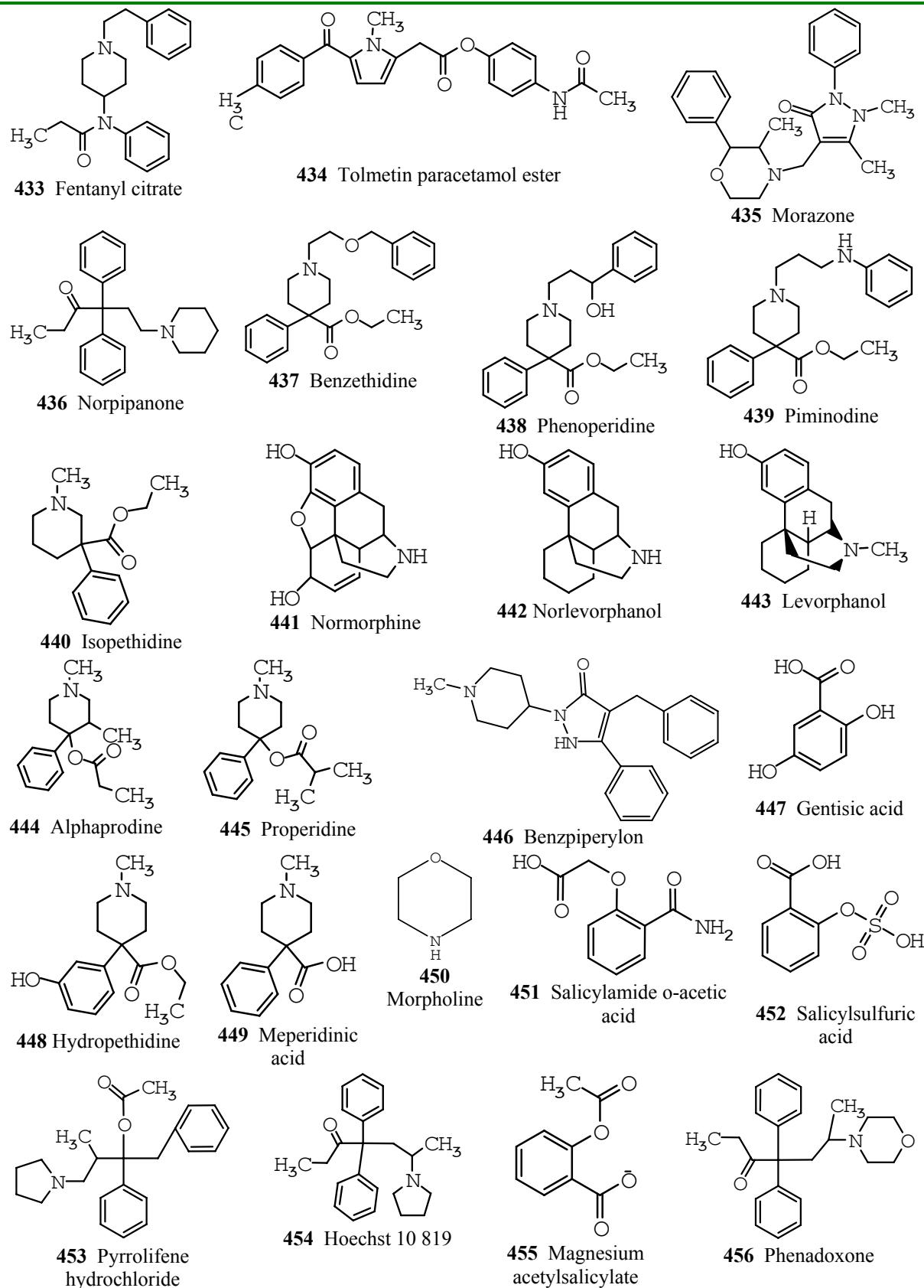


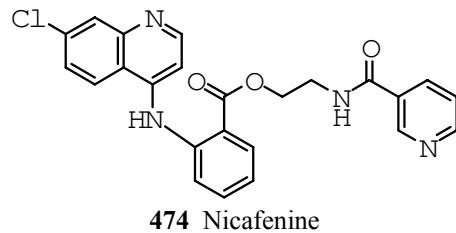
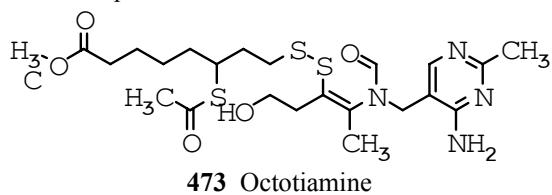
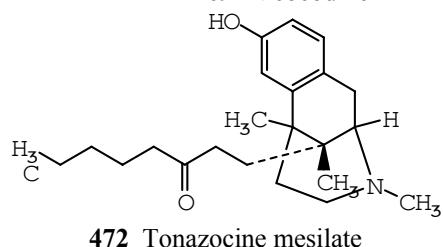
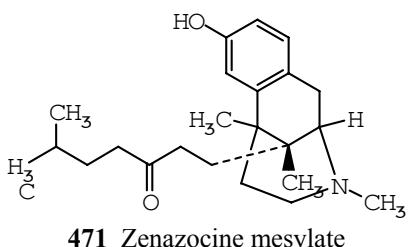
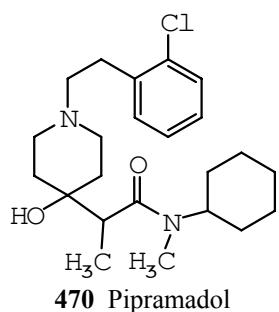
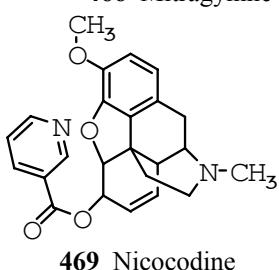
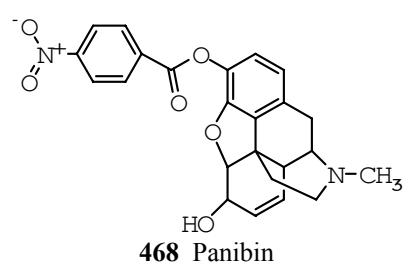
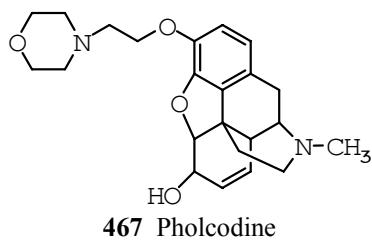
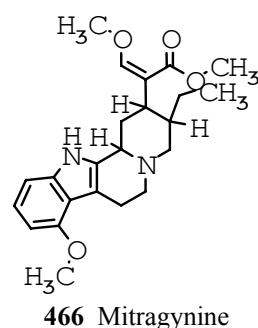
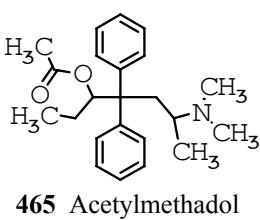
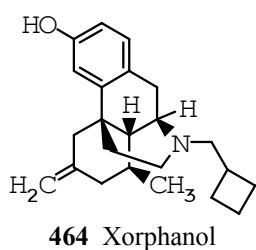
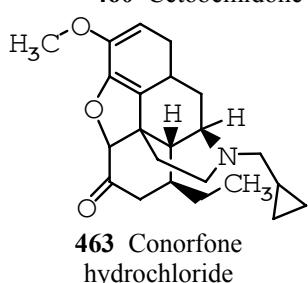
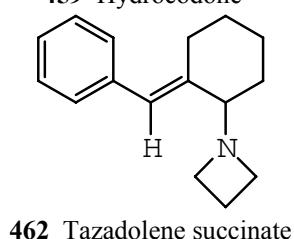
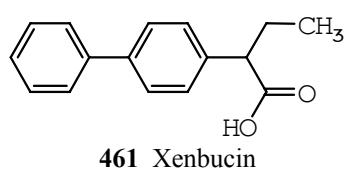
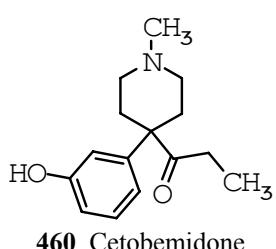
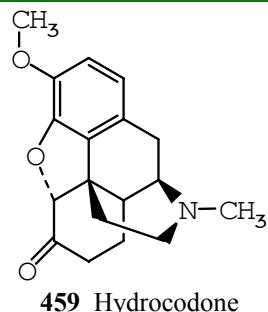
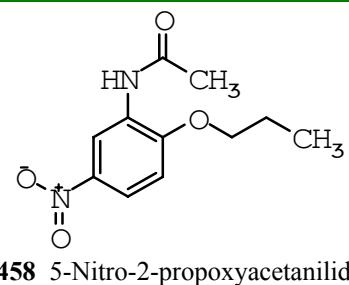
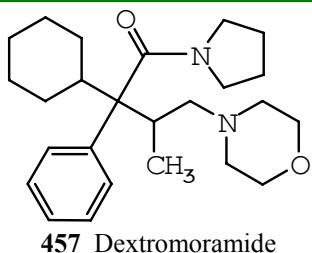
384 Bremazocine

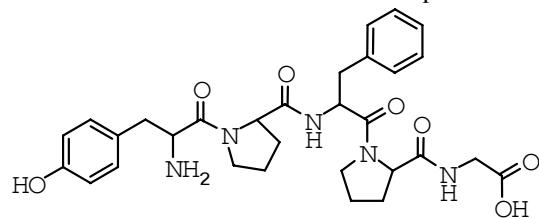
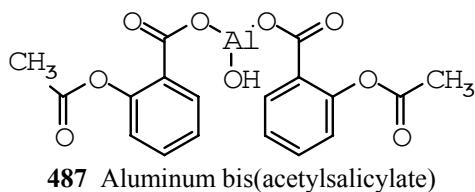
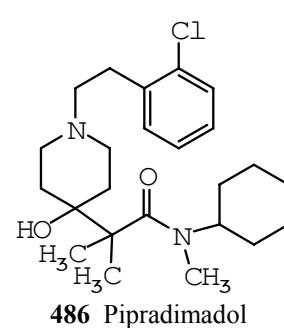
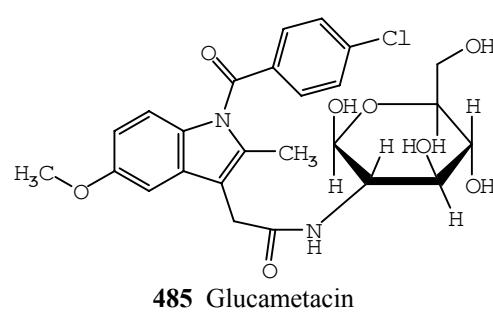
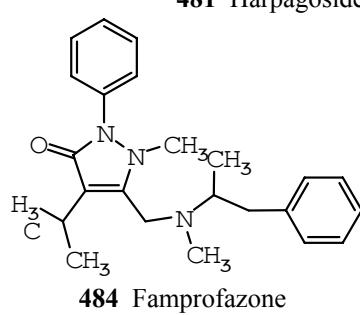
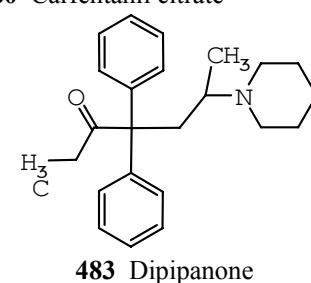
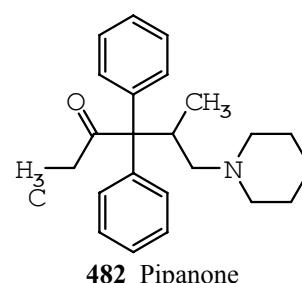
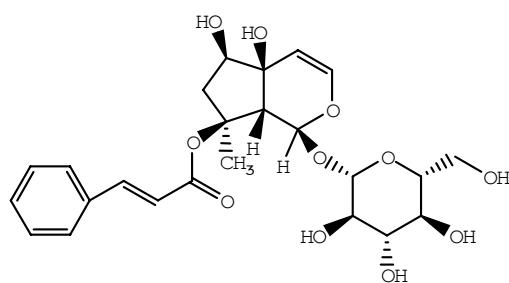
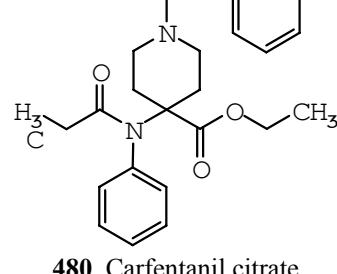
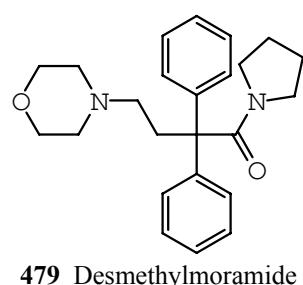
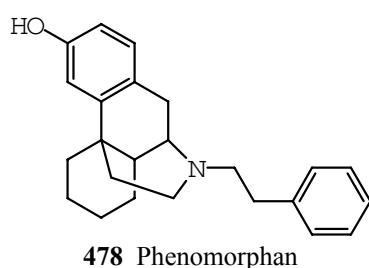
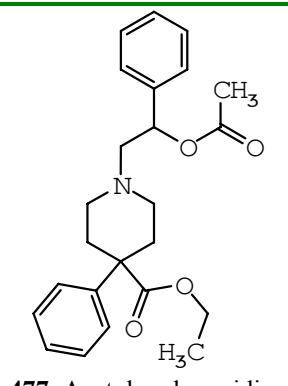
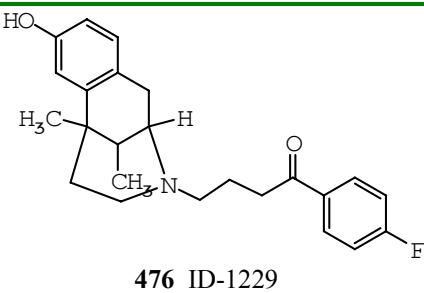
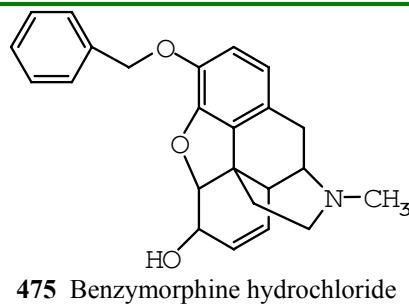


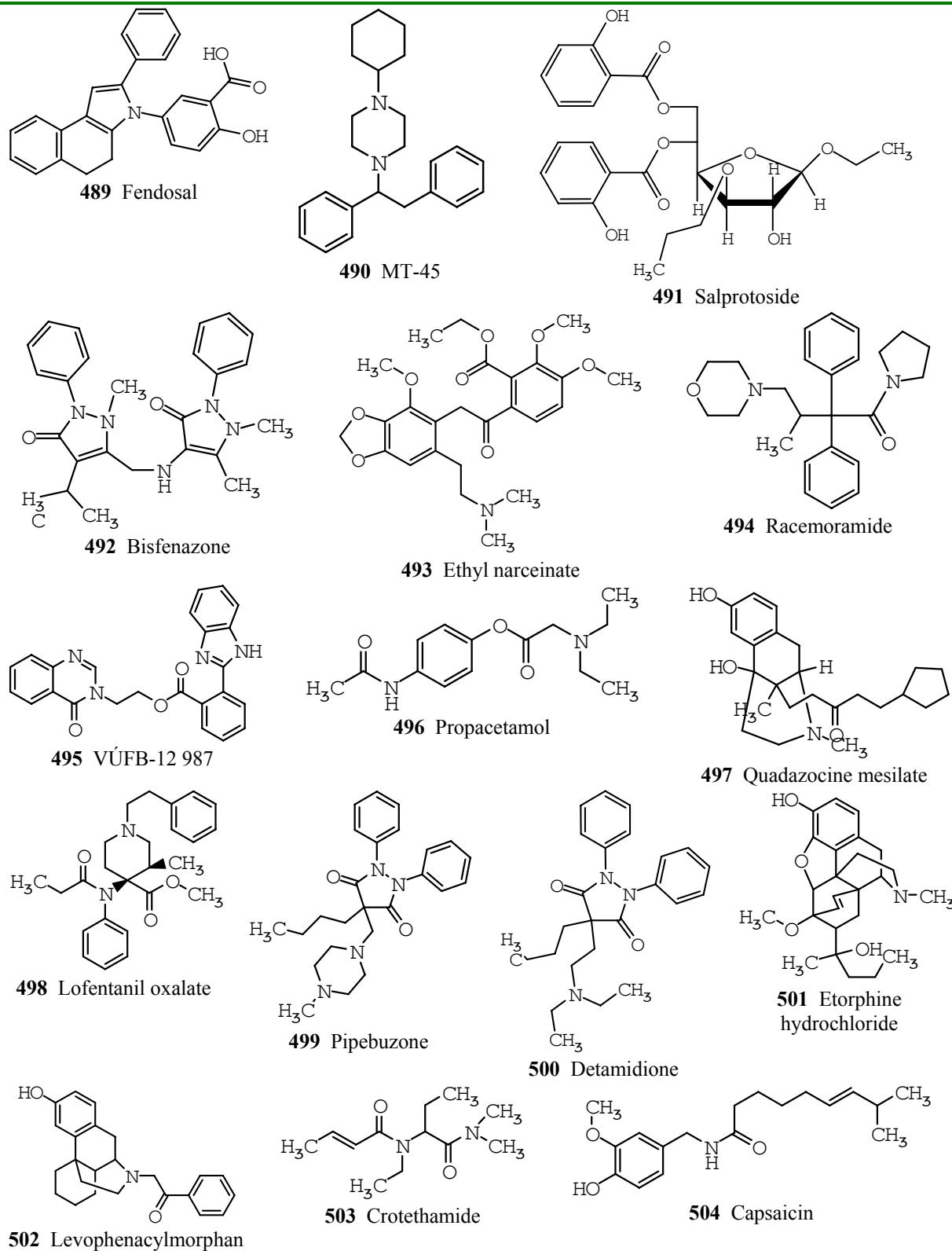


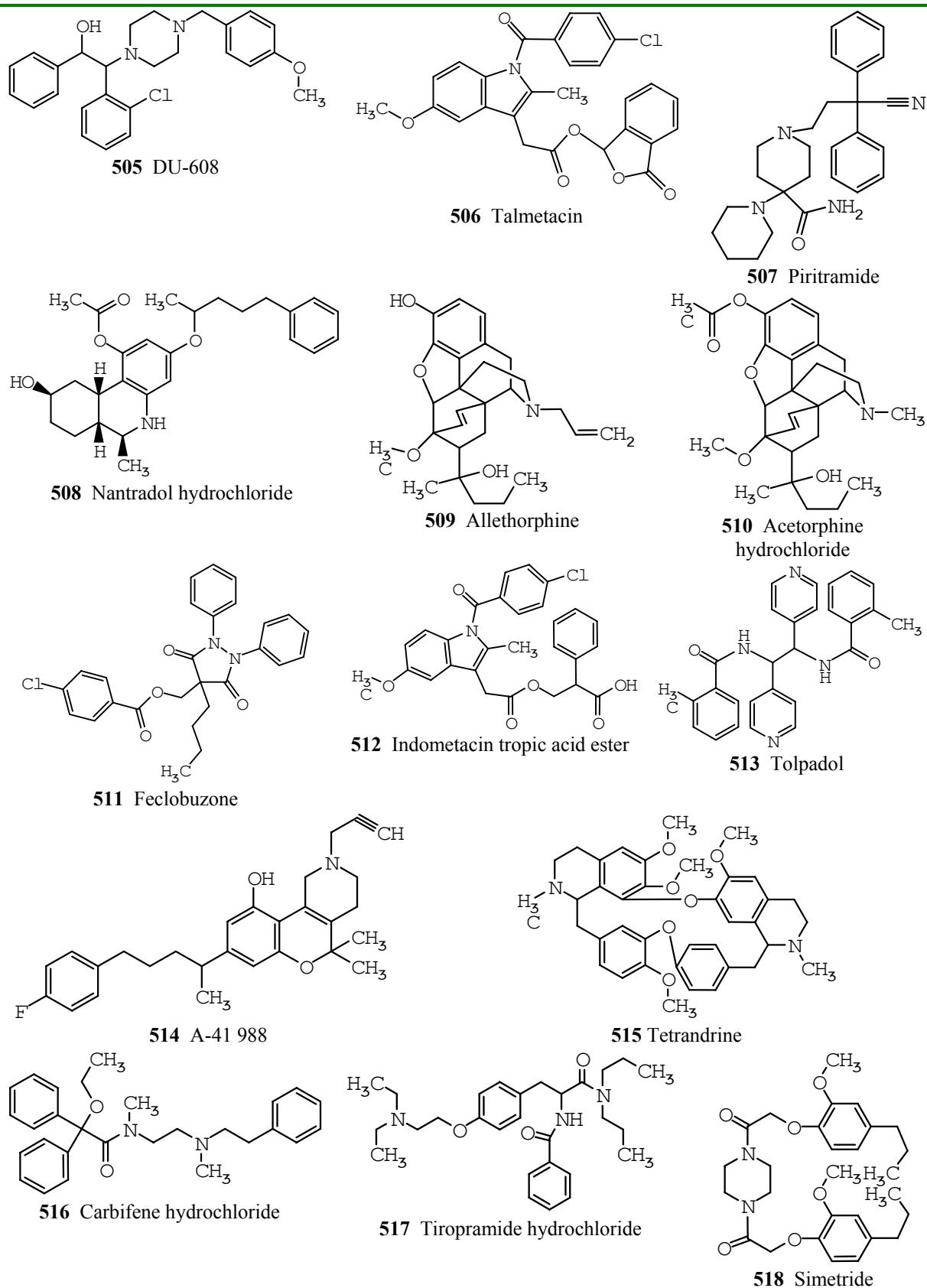


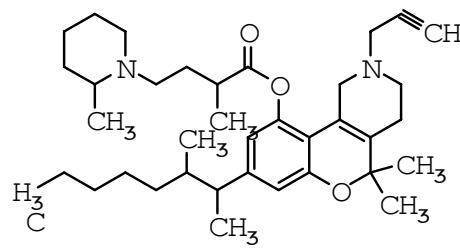
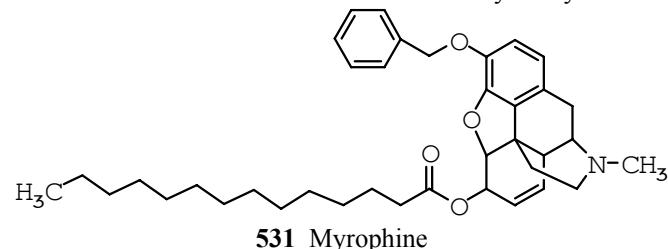
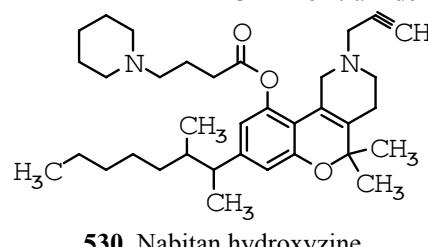
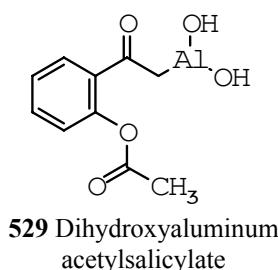
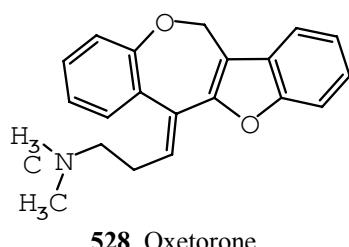
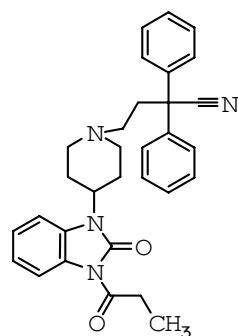
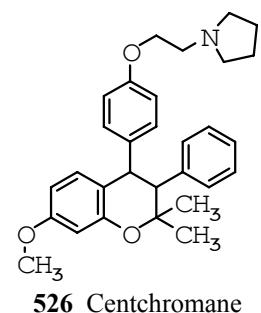
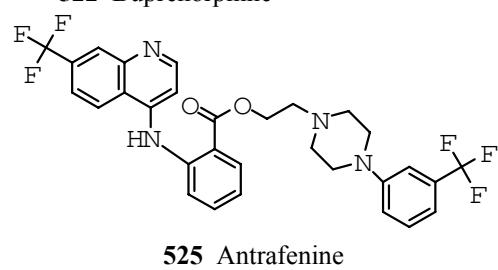
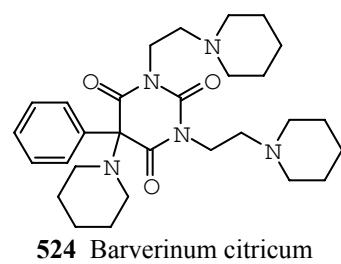
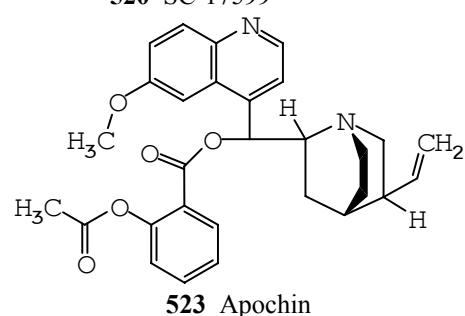
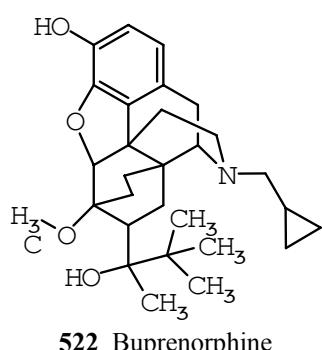
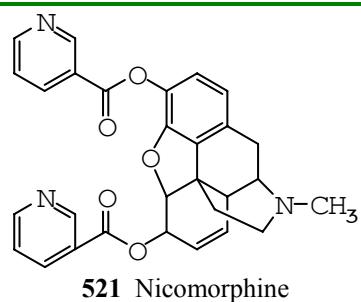
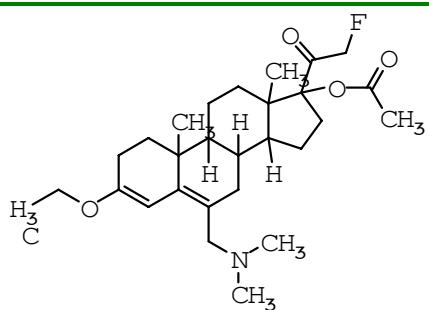
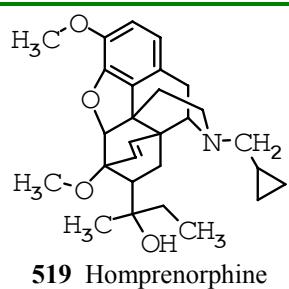


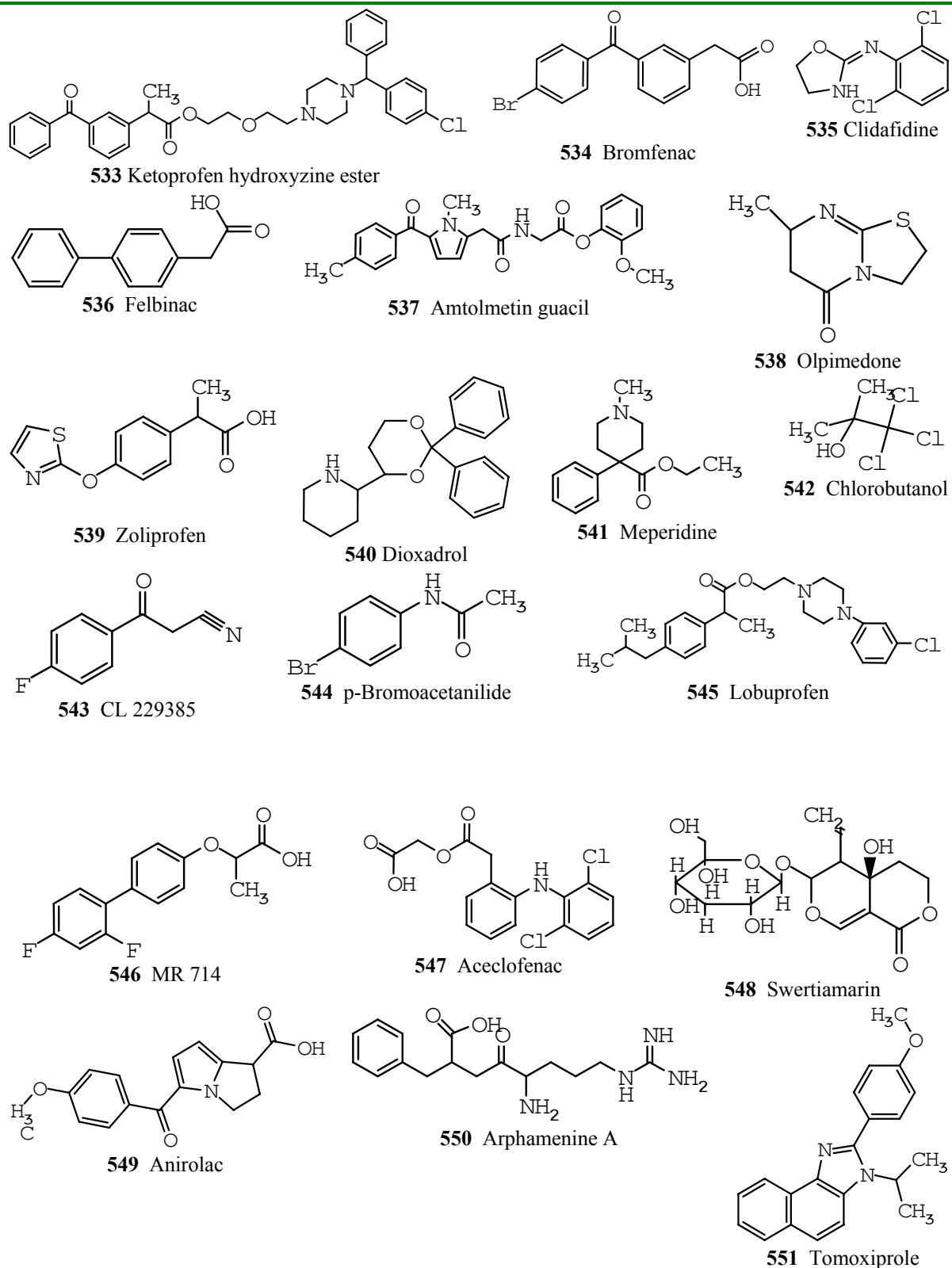


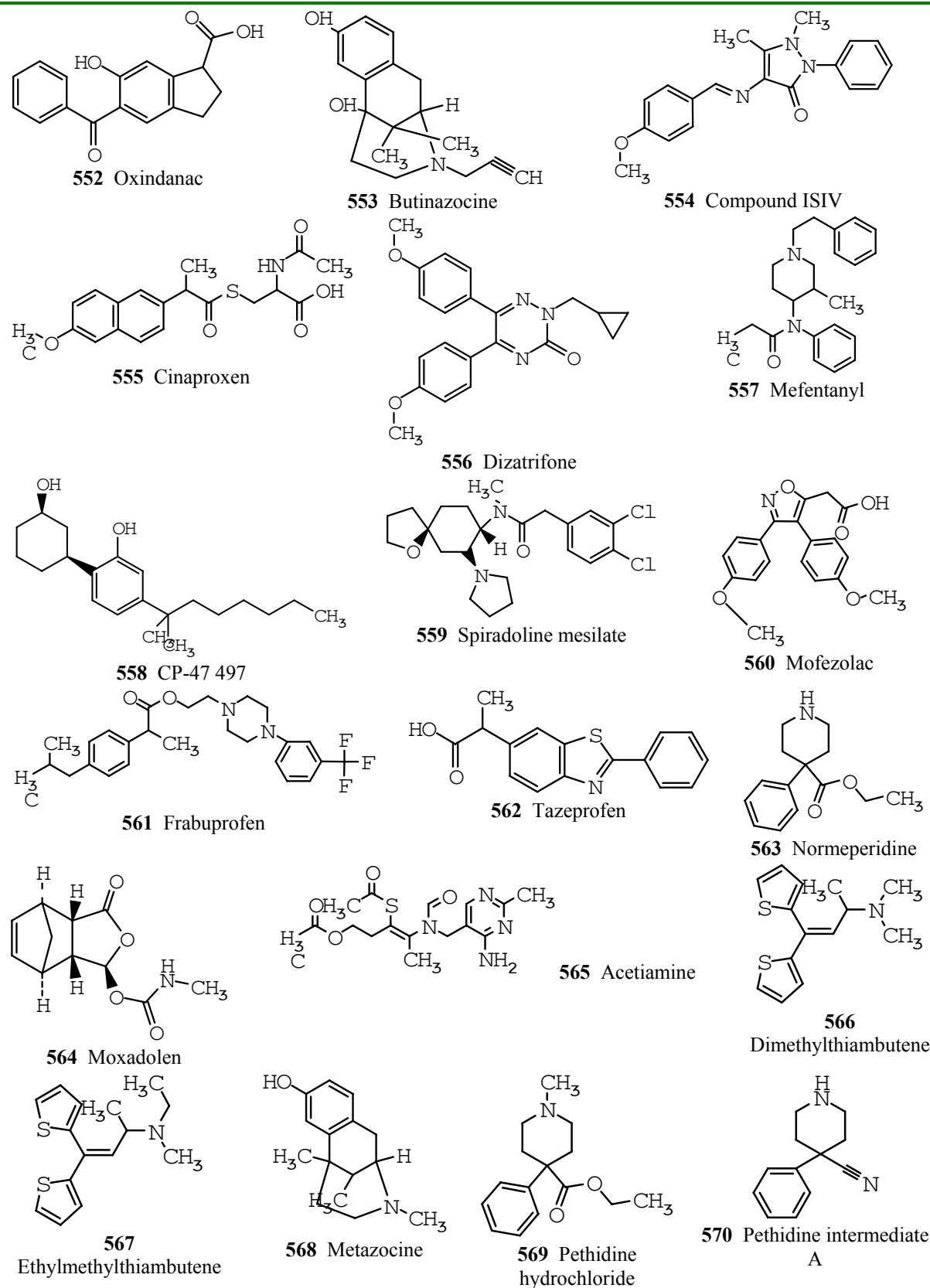


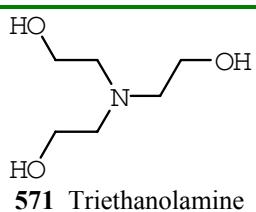




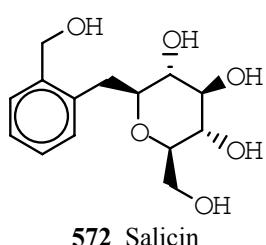








571 Triethanolamine



572 Salicin

[Anexos](#)

Anexo 2a Resultados de la clasificación de los compuestos activos en la SE.

| Nombre* | ΔP% ^a | ΔP% ^b | ΔP% ^c | ΔP% ^d | ΔP% ^e | ΔP% ^f | ΔP% ^g | ΔP% ^h | ΔP% ⁱ | ΔP% ^j | ΔP% ^k | ΔP% ^l | ΔP% ^m |
|-------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 0001 Chloroform | -77.78 | -85.16 | -94.34 | -75.28 | -78.56 | -83.39 | -74.27 | -93.86 | -94.52 | -76.98 | -83.60 | -84.89 | -82.32 |
| 0002 Trichloroethylene | -94.13 | -96.98 | -91.43 | -91.02 | -87.54 | -83.38 | -85.65 | -86.45 | -85.09 | -91.71 | -94.40 | -74.82 | -76.64 |
| 0003 Dimethyl Sulfoxide | -54.66 | -66.92 | -46.04 | -82.98 | -85.95 | -76.33 | -30.94 | -80.78 | -46.65 | -74.99 | -86.30 | -93.80 | -77.45 |
| 0005 Praxadine | -88.56 | -88.43 | -87.08 | -86.58 | -80.90 | -84.18 | -87.19 | -91.55 | -91.26 | -87.87 | -85.65 | -86.23 | -75.69 |
| 0007 Chothazol | -89.64 | -97.08 | -98.80 | -89.71 | -88.11 | -97.03 | -37.23 | -97.33 | -98.29 | -92.26 | -89.53 | -96.35 | -89.20 |
| 0008 Pyridazine S1 | -89.65 | -88.80 | -84.96 | -84.85 | -88.38 | -91.29 | -93.35 | -91.80 | -97.92 | -85.01 | -76.86 | -94.24 | -78.80 |
| 0012 Picolamine Salicylate | -5.59 | 0.13 | -11.37 | -36.49 | -27.37 | -22.94 | -10.58 | -42.16 | -32.47 | -36.74 | -38.11 | -16.62 | -13.65 |
| 0013 Aceburic Acid | -68.89 | -71.95 | -65.72 | -74.28 | -59.46 | -64.66 | -67.83 | -45.78 | -38.23 | -46.07 | -22.60 | -76.84 | -80.79 |
| 0016 Arcylate | 14.73 | 27.66 | 13.19 | 24.61 | 26.77 | 22.01 | -56.95 | -11.65 | -38.12 | 14.42 | 25.85 | -54.67 | 5.62 |
| 0017 Acidum Salicylicum | 38.79 | 53.69 | 24.76 | 26.63 | 22.72 | 56.98 | 16.56 | 31.84 | 37.22 | 2.85 | 11.13 | 14.61 | 21.02 |
| 0019 Salicylamide | 1.25 | 22.63 | -7.83 | -1.35 | -9.38 | 26.80 | -6.97 | -17.00 | -14.37 | -7.14 | -0.21 | -13.23 | 5.20 |
| 0024 Phenicarbazide | -60.67 | -66.27 | -54.60 | -58.67 | -54.72 | -55.71 | -59.95 | -92.20 | -79.22 | -30.66 | -19.63 | -38.26 | -52.20 |
| 0025 Methamilane | -85.11 | -87.51 | -88.73 | -94.53 | -86.44 | -85.27 | -78.23 | -92.32 | -84.73 | -71.53 | -83.27 | -92.73 | -78.52 |
| 0026 Carsalam | 74.40 | 70.78 | 48.09 | 60.61 | 60.38 | 79.75 | 50.31 | 59.11 | 58.32 | 54.48 | 61.47 | 53.18 | 69.33 |
| 0027 Trilacetamol | -57.36 | -48.53 | -63.22 | -17.41 | -20.85 | -38.91 | -10.45 | -55.08 | -83.59 | -47.00 | -50.25 | -72.83 | -1.94 |
| 0031 Acetanilidum | 60.71 | 57.61 | 66.04 | 59.75 | 66.68 | 64.10 | 49.93 | 74.18 | 54.75 | 82.59 | 72.36 | 59.00 | 47.90 |
| 0032 Cresotamide | 2.85 | 37.89 | 9.44 | 30.76 | -4.20 | 36.99 | 14.61 | 15.61 | 19.57 | 4.31 | 17.82 | 22.87 | 9.75 |
| 0033 Metacetamol | 28.82 | 23.36 | 30.13 | 30.17 | 35.74 | 35.80 | 9.77 | 46.89 | 13.98 | 51.46 | 36.91 | 18.18 | 13.55 |
| 0035 Triladine | -14.44 | 11.45 | 5.59 | 63.29 | -50.08 | 11.21 | 44.42 | 57.04 | 64.55 | 30.10 | 22.87 | 64.66 | -41.61 |
| 0036 Hydracetin | 21.51 | 0.88 | 26.13 | 5.20 | 13.90 | 11.85 | 8.49 | 7.63 | -27.26 | 50.92 | 39.07 | 17.94 | 9.07 |
| 0037 Thiambutene | 96.45 | 93.56 | 91.27 | 91.76 | 86.65 | 87.69 | 90.57 | 96.66 | 96.14 | 95.70 | 94.39 | 92.87 | 76.39 |
| 0038 Cicutine | -77.99 | -75.84 | -81.25 | -87.73 | -86.42 | -78.25 | -69.93 | -66.17 | -74.85 | -69.68 | -75.92 | -67.71 | -83.41 |
| 0039 Bromaspirin | 29.23 | 23.35 | 15.27 | 59.31 | 59.30 | 24.86 | -55.67 | 73.98 | 68.05 | 76.79 | 62.83 | 22.89 | 24.79 |
| 0040 Aspirodine | -27.49 | 5.73 | -18.84 | 56.75 | 50.14 | -17.13 | -79.97 | 74.84 | 63.16 | 79.84 | 67.50 | -7.70 | 2.78 |
| 0041 Acidum Parachinossilicum | -68.87 | -51.64 | -63.20 | -75.81 | -69.61 | -44.00 | -42.55 | -20.62 | -0.31 | -18.07 | -21.11 | -37.03 | -48.92 |
| 0042 Acidum Chinossilicum | -58.82 | -32.41 | -54.85 | -71.33 | -66.15 | -24.68 | -37.10 | -19.33 | 1.06 | -20.52 | -17.49 | -39.55 | -38.09 |
| 0046 Metacetanilidum | 77.83 | 79.30 | 86.09 | 81.63 | 81.18 | 77.65 | 79.49 | 89.76 | 81.08 | 88.37 | 83.97 | 85.66 | 67.82 |
| 0047 Ethenzamide | 74.89 | 35.83 | 74.43 | 49.66 | 86.81 | 46.82 | 17.17 | 24.95 | 38.39 | 60.18 | 47.70 | 30.33 | 74.07 |
| 0049 Parapropamol | 30.20 | 30.33 | 37.55 | 22.14 | 23.18 | 39.90 | 28.58 | 36.19 | 7.23 | 42.93 | 41.74 | 24.95 | 18.54 |
| 0050 Euphorin | -69.15 | -72.09 | -72.66 | -79.05 | -75.67 | -61.28 | -66.62 | -76.11 | -67.98 | -71.12 | -58.73 | -80.59 | -77.44 |

Anexo 2a. Cont.

| Nombre* | ΔP% ^a | ΔP% ^b | ΔP% ^c | ΔP% ^d | ΔP% ^e | ΔP% ^f | ΔP% ^g | ΔP% ^h | ΔP% ⁱ | ΔP% ^j | ΔP% ^k | ΔP% ^l | ΔP% ^m |
|------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 0053 Apronal | -89.46 | -85.92 | -83.75 | -74.19 | -79.49 | -81.19 | -90.34 | -91.23 | -82.57 | -92.81 | -86.25 | -86.20 | -84.94 |
| 0054 Strinoline | 75.23 | 79.96 | 67.35 | 49.79 | 60.07 | 83.61 | 87.94 | 71.42 | 85.10 | 79.31 | 71.27 | 75.10 | 81.35 |
| 0058 Lofemizole Hydrochloride | 77.64 | 64.35 | 67.31 | 75.89 | 74.04 | 83.21 | 74.96 | 64.15 | 73.66 | 69.73 | 70.22 | 68.10 | 79.96 |
| 0059 Methyl Aspriodine | -5.78 | 6.04 | 8.33 | 60.78 | 57.83 | -13.12 | -73.70 | 71.78 | 54.85 | 88.61 | 76.10 | 22.74 | 19.10 |
| 0060 Drinidene | 86.21 | 80.18 | 71.95 | 69.72 | 67.78 | 83.18 | 85.58 | 52.83 | 72.36 | 76.65 | 84.15 | 72.93 | 86.63 |
| 0062 Cloracetadol | 15.73 | 28.83 | 34.34 | 45.09 | 41.68 | 22.31 | -12.11 | 54.07 | 45.02 | 87.94 | 78.34 | 34.77 | -8.24 |
| 0065 Amatin | 71.39 | 79.47 | 72.84 | 84.10 | 78.50 | 77.49 | 62.12 | 93.72 | 90.32 | 90.15 | 84.10 | 84.07 | 54.50 |
| 0066 Amino Chlothenoxazine | -1.25 | -36.41 | -51.83 | -38.09 | -28.27 | 12.79 | -5.59 | -24.95 | -63.76 | -2.98 | 1.74 | -24.26 | 15.13 |
| 0067 Allylsalicylamide | 50.58 | 62.69 | 37.88 | 34.45 | 42.24 | 60.36 | 51.74 | 35.83 | 46.45 | 54.88 | 52.78 | 41.71 | 61.20 |
| 0069 Chlorphenesin Carbamate | -96.16 | -97.74 | -97.84 | -98.03 | -94.84 | -95.08 | -87.24 | -93.23 | -92.62 | -90.46 | -82.11 | -97.04 | -94.95 |
| 0070 Remifentanil | 93.10 | 88.20 | 95.95 | 90.80 | 94.78 | 92.01 | 96.93 | 92.25 | 82.22 | 98.17 | 98.45 | 92.94 | 92.28 |
| 0071 Allylguajacal | 64.59 | 77.49 | 72.36 | 60.20 | 48.07 | 69.78 | 65.19 | 61.46 | 60.44 | 41.25 | 35.86 | 68.89 | 57.02 |
| 0073 Sulprosal Sodium | 0.90 | 22.18 | -16.73 | 1.06 | 4.32 | 27.94 | 25.41 | 0.04 | -7.66 | -0.90 | -6.20 | -54.22 | -1.83 |
| 0075 EPS 4032 | 61.23 | 71.74 | 54.16 | 36.90 | 37.89 | 44.64 | 53.05 | 0.39 | 51.74 | 64.62 | 60.39 | 52.70 | 50.20 |
| 0077 Probenzamide | 18.29 | 49.44 | 20.87 | 21.54 | 9.63 | 38.61 | 7.76 | 14.09 | 30.50 | 34.28 | 32.41 | 29.50 | 24.14 |
| 0078 Phenacetin | 48.36 | 60.84 | 68.22 | 62.32 | 55.86 | 52.75 | 32.05 | 74.87 | 66.00 | 87.14 | 78.00 | 61.97 | 32.77 |
| 0080 Fenacetinol | 14.58 | 37.60 | 35.87 | 15.67 | 2.66 | 15.47 | 11.14 | 20.27 | 31.87 | 64.27 | 53.87 | 31.99 | -6.57 |
| 0081 p-Cymene | 80.11 | 89.14 | 92.33 | 90.95 | 81.13 | 84.85 | 77.78 | 91.91 | 92.64 | 75.99 | 65.45 | 92.96 | 64.37 |
| 0083 Propoxyphene | 99.53 | 99.41 | 99.65 | 99.52 | 99.65 | 99.53 | 99.03 | 99.22 | 99.01 | 99.74 | 99.58 | 99.22 | 99.28 |
| 0084 Alcanfor | 25.80 | 42.99 | 70.69 | 56.94 | 34.95 | 25.84 | 57.01 | 73.90 | 71.88 | 42.99 | 34.16 | 67.91 | 17.47 |
| 0085 Cimepanol | -70.78 | -61.25 | -70.50 | -82.25 | -79.66 | -64.90 | -58.25 | -54.32 | -49.82 | -65.60 | -73.77 | -55.23 | -78.27 |
| 0087 Abbott 40060 | 76.06 | 89.33 | 84.08 | 72.73 | 77.60 | 89.64 | 79.32 | 92.35 | 93.27 | 74.87 | 64.74 | 91.62 | 56.58 |
| 0088 Clantifen | 66.86 | 35.27 | 41.55 | 8.04 | 3.40 | 73.19 | 22.81 | -10.07 | -6.54 | 5.07 | 24.06 | -6.20 | 46.19 |
| 0090 Flucarbril | 92.31 | 90.68 | 91.85 | 90.65 | 92.67 | 94.17 | 82.21 | 87.30 | 92.10 | 81.50 | 86.85 | 94.29 | 66.58 |
| 0093 Meseclazone | 65.05 | 58.34 | 44.43 | 40.41 | 49.27 | 58.22 | 39.60 | 74.82 | 64.28 | 60.51 | 56.15 | 57.44 | 70.09 |
| 0095 Betemazole | 74.21 | 78.03 | 71.15 | 54.69 | 66.80 | 74.75 | 54.60 | 45.58 | 33.96 | 13.66 | -6.18 | 48.74 | 83.49 |
| 0097 Dipyroctetyl | 66.76 | 66.06 | 70.45 | 91.17 | 73.17 | 64.23 | 77.96 | 98.50 | 94.78 | 95.24 | 91.28 | 89.81 | 7.71 |
| 0098 Diacesalyl | 62.46 | 71.44 | 55.87 | 63.46 | 63.31 | 71.34 | 43.51 | 88.45 | 79.71 | 79.49 | 78.33 | 63.33 | 49.96 |
| 0099 Alclofenac | 56.68 | 58.11 | 55.29 | 54.28 | 63.77 | 66.87 | 39.85 | 72.36 | 74.84 | 63.73 | 61.31 | 69.17 | 54.65 |
| 0103 Phenazopyridine Hydrochloride | 39.59 | 16.40 | 16.19 | -14.83 | 10.67 | 38.47 | 37.45 | -43.29 | -60.20 | 4.58 | 28.20 | -19.41 | 60.68 |

Anexo 2a. Cont.

| Nombre* | ΔP% ^a | ΔP% ^b | ΔP% ^c | ΔP% ^d | ΔP% ^e | ΔP% ^f | ΔP% ^g | ΔP% ^h | ΔP% ⁱ | ΔP% ^j | ΔP% ^k | ΔP% ^l | ΔP% ^m |
|----------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 0104 Flumexadol | 64.61 | 68.17 | 63.21 | 34.13 | 57.12 | 59.38 | 25.73 | 36.32 | 61.98 | 50.26 | 43.36 | 76.56 | -12.62 |
| 0105 Phenazone | 89.07 | 90.57 | 92.56 | 90.94 | 91.28 | 87.64 | 87.85 | 90.60 | 86.07 | 86.71 | 79.92 | 86.91 | 87.38 |
| 0106 Metazamide | -15.08 | -10.29 | -9.67 | -16.77 | -11.88 | -9.95 | -20.44 | -42.43 | -25.47 | -24.14 | -31.13 | -43.75 | -21.05 |
| 0107 Molinazone | 49.56 | 58.31 | 24.90 | 0.90 | 13.83 | 47.84 | 39.91 | 54.74 | 25.58 | 28.00 | 7.98 | 56.10 | 65.13 |
| 0109 Tifemoxone | 77.68 | 40.60 | 42.83 | 19.90 | 44.88 | 1.27 | 82.07 | 42.53 | 7.32 | 51.37 | 55.47 | 20.50 | 50.39 |
| 0112 | | | | | | | | | | | | | |
| Acetylaminonitropropoxybenzenum | 76.29 | 66.62 | 30.79 | 89.70 | 75.58 | 78.91 | 92.50 | 96.25 | 95.41 | -46.49 | -79.33 | 98.63 | 84.48 |
| 0113 Epirizole | -15.62 | 42.06 | 44.83 | 34.76 | 0.80 | -14.54 | 38.90 | 28.36 | 10.86 | 13.01 | -30.06 | 53.37 | 1.03 |
| 0115 Bromamide | 7.80 | -46.07 | 3.04 | 0.04 | 13.41 | -19.36 | -27.20 | -36.01 | -36.26 | 25.45 | 49.58 | -21.98 | 24.25 |
| 0117 Alfetamine | 59.22 | 42.77 | 62.37 | 39.27 | 60.14 | 50.35 | 53.37 | 58.75 | 31.80 | 68.69 | 57.47 | 54.10 | 50.13 |
| 0124 Etosalamide | 5.90 | 47.35 | 16.12 | 9.12 | -6.07 | 27.00 | 15.34 | 46.83 | 22.71 | 58.39 | 61.08 | 30.29 | 7.58 |
| 0126 BM 123 | -11.65 | -34.67 | -48.38 | -28.30 | -2.18 | 16.41 | 28.98 | 58.47 | 23.04 | 32.83 | 34.53 | 69.97 | 20.28 |
| 0127 Xylopropamine | 34.19 | 28.65 | 65.76 | 76.17 | 55.87 | 31.93 | 29.61 | 66.83 | 63.16 | 51.94 | 40.81 | 76.10 | 6.66 |
| 0128 Chinoin 127 | -78.64 | -86.10 | -70.22 | -77.12 | -89.23 | -79.20 | -49.06 | -66.51 | -52.00 | -75.44 | -26.40 | -64.80 | -54.71 |
| 0129 Emorfazole | -52.49 | 6.83 | -21.99 | -40.19 | -56.97 | -42.61 | -19.16 | 11.96 | 6.28 | -30.66 | -64.64 | 8.93 | -17.65 |
| 0130 Diclonixin | 96.28 | 82.13 | 79.01 | 86.50 | 81.25 | 80.06 | 95.81 | 89.85 | 89.13 | 46.52 | 52.11 | 87.88 | 98.73 |
| 0133 Dirfenidone | 97.69 | 96.47 | 96.72 | 97.71 | 96.69 | 97.04 | 96.47 | 94.62 | 95.59 | 95.26 | 94.82 | 92.27 | 97.02 |
| 0136 Alinidine Hydrobromide | 32.97 | 10.47 | 1.73 | 29.05 | 26.96 | 50.82 | 33.93 | 34.85 | 24.50 | 13.20 | 47.41 | 58.45 | 58.55 |
| 0137 Phenethylsuccinimide | 98.26 | 96.68 | 93.62 | 98.17 | 99.44 | 98.04 | 99.54 | 99.93 | 99.77 | 91.40 | 90.43 | 99.71 | 99.30 |
| 0138 Diproxadol | -23.62 | -23.07 | -27.31 | -33.13 | -43.60 | -34.00 | -13.62 | -40.15 | 21.18 | 40.69 | 26.55 | 1.91 | -15.28 |
| 0142 Ruvazone | 20.19 | 63.43 | 54.18 | 54.86 | 14.55 | 39.50 | 30.63 | 41.95 | 57.96 | 62.12 | 53.42 | 40.31 | 38.26 |
| 0144 Bicifadine hydrochloride | 92.03 | 93.87 | 92.69 | 90.74 | 88.30 | 91.37 | 90.80 | 90.82 | 92.92 | 86.88 | 85.28 | 94.13 | 85.66 |
| 0145 Succinyl Phenetidine Sodium | 43.24 | 53.13 | 58.83 | 50.25 | 61.29 | 53.81 | 33.93 | 75.47 | 62.27 | 88.12 | 87.95 | 54.66 | 26.71 |
| 0147 Melaminsulfone | -1.73 | 49.02 | 41.56 | 40.57 | 25.42 | 14.99 | 6.28 | 16.72 | -1.37 | 16.83 | -19.29 | -34.25 | 16.99 |
| 0148 GB 105 | 76.47 | 66.22 | 80.95 | 75.56 | 86.33 | 73.36 | 75.49 | 83.51 | 68.07 | 91.34 | 86.81 | 79.26 | 77.59 |
| 0149 Xylazine | 84.98 | 75.48 | 71.67 | 86.51 | 59.82 | 76.32 | 93.39 | 90.04 | 75.43 | 68.53 | 81.40 | 85.95 | 70.44 |
| 0152 Boa | 44.75 | 58.81 | 54.28 | 47.39 | 44.50 | 53.23 | 30.26 | 79.36 | 52.08 | 73.13 | 68.93 | 59.62 | 35.02 |
| 0153 Butacetin | 39.60 | 35.13 | 40.64 | 56.76 | 72.18 | 31.77 | -10.92 | 63.70 | 58.83 | 91.87 | 81.66 | 30.60 | 37.62 |
| 0154 Bufexamac | 29.90 | 45.31 | 39.79 | 34.72 | 20.05 | 26.83 | 3.76 | 13.98 | 8.80 | 23.84 | 32.78 | 48.78 | 0.95 |
| 0155 Bucetin | 15.89 | 23.09 | 31.40 | 24.53 | 24.40 | 16.51 | -15.60 | 47.24 | 17.70 | 61.05 | 53.31 | 31.21 | -8.77 |
| 0156 Doxopicomine Hydrochloride | 37.79 | 13.00 | 5.04 | -30.88 | 19.14 | 29.11 | 24.73 | -37.33 | -13.83 | 25.36 | 0.02 | 25.53 | 49.92 |

Anexo 2a. Cont.

| Nombre* | ΔP% ^a | ΔP% ^b | ΔP% ^c | ΔP% ^d | ΔP% ^e | ΔP% ^f | ΔP% ^g | ΔP% ^h | ΔP% ⁱ | ΔP% ^j | ΔP% ^k | ΔP% ^l | ΔP% ^m |
|--------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 0158 Diflunisal | 92.10 | 95.34 | 91.00 | 88.07 | 86.13 | 96.25 | 89.51 | 87.20 | 91.73 | 74.57 | 78.75 | 86.76 | 91.89 |
| 0161 Niflomic Acid | 92.73 | 92.82 | 88.54 | 84.68 | 93.23 | 96.12 | 71.00 | 80.05 | 83.46 | 76.25 | 82.75 | 83.57 | 72.66 |
| 0164 Giparmen | 98.19 | 98.14 | 97.36 | 98.73 | 97.58 | 97.93 | 97.21 | 97.28 | 98.56 | 96.80 | 96.06 | 95.09 | 97.78 |
| 0165 Clonixin | 88.25 | 87.84 | 84.40 | 84.72 | 84.27 | 93.92 | 87.18 | 84.07 | 85.58 | 79.48 | 85.44 | 78.82 | 87.94 |
| 0168 Paracetamol Thenoate | 90.92 | 86.47 | 84.49 | 87.48 | 87.82 | 86.37 | 90.80 | 88.62 | 85.29 | 96.37 | 95.13 | 71.10 | 88.16 |
| 0173 YM 09561 | 71.86 | 61.05 | 73.84 | 52.77 | 92.58 | 36.79 | 98.22 | 95.97 | 95.66 | 94.79 | 93.40 | 78.48 | 61.04 |
| 0175 PZ 177 | 51.20 | 33.92 | 46.76 | 32.89 | 54.48 | 48.16 | 52.96 | -3.16 | 3.19 | 42.02 | 16.30 | 51.07 | 67.24 |
| 0176 Fenyramidol Hydrochloride | 93.70 | 94.85 | 94.25 | 88.23 | 90.24 | 93.07 | 90.66 | 85.37 | 81.41 | 84.14 | 84.48 | 81.93 | 91.13 |
| 0178 Ketamine Hydrochloride | 76.47 | 77.51 | 80.01 | 77.79 | 67.11 | 74.30 | 78.38 | 88.55 | 75.64 | 80.07 | 86.20 | 88.77 | 68.43 |
| 0179 Mofebutazone | 77.39 | 73.69 | 74.31 | 59.91 | 66.30 | 77.09 | 57.28 | 62.90 | 41.98 | 28.88 | 43.43 | 59.84 | 77.11 |
| 0180 Cycotiamine | 57.00 | 4.69 | 22.80 | 36.69 | 31.39 | 7.90 | 78.60 | 51.34 | 20.53 | 17.22 | 46.77 | 30.97 | 37.05 |
| 0181 Alminoprofen | 71.62 | 68.51 | 68.66 | 74.71 | 72.77 | 72.78 | 66.64 | 51.82 | 72.75 | 75.80 | 80.68 | 72.26 | 65.00 |
| 0182 Ap 752 | 48.54 | 63.40 | 60.06 | 67.57 | 57.93 | 51.88 | 38.03 | 80.47 | 68.98 | 94.28 | 85.69 | 66.35 | 35.50 |
| 0185 Metamitole Sodium | 4.78 | 67.85 | 65.66 | 56.55 | 58.24 | 31.01 | 33.61 | 53.78 | 44.60 | 19.33 | -21.93 | 7.90 | 39.14 |
| 0187 Ibuproxam | 53.40 | 62.95 | 67.44 | 75.12 | 52.98 | 57.06 | 28.90 | 28.28 | 49.78 | 52.88 | 47.05 | 79.64 | 26.45 |
| 0190 Saletamide | 12.76 | 28.99 | 11.51 | 2.92 | -2.00 | 32.30 | 0.72 | 17.34 | -5.59 | -3.17 | 8.12 | 6.95 | 10.89 |
| 0191 Rymazolium Metilsulfate | 51.61 | 25.26 | 26.41 | 92.17 | -37.44 | 36.16 | 41.25 | 70.62 | 57.66 | 0.11 | 67.50 | 61.89 | 16.30 |
| 0199 Salsalate | 97.77 | 97.99 | 95.16 | 96.01 | 96.73 | 98.36 | 93.67 | 94.22 | 95.26 | 91.80 | 93.78 | 86.46 | 96.60 |
| 0200 F 1044 | 97.93 | 96.05 | 97.04 | 94.01 | 97.72 | 97.19 | 97.58 | 98.37 | 97.21 | 98.59 | 98.81 | 95.05 | 97.68 |
| 0205 Flunixin | 92.81 | 96.10 | 92.66 | 94.67 | 93.67 | 97.21 | 82.06 | 91.10 | 93.93 | 82.08 | 87.68 | 92.50 | 73.97 |
| 0206 Tolfenamic Acid | 96.09 | 95.15 | 94.69 | 95.29 | 94.28 | 98.11 | 94.91 | 93.87 | 94.24 | 92.75 | 95.30 | 91.62 | 95.27 |
| 0207 Noton | 96.86 | 90.63 | 92.95 | 95.23 | 95.69 | 98.66 | 96.39 | 97.09 | 94.69 | 99.24 | 99.13 | 95.00 | 99.05 |
| 0210 Tiaprofenic Acid | 96.98 | 95.49 | 92.38 | 94.68 | 95.39 | 95.48 | 96.60 | 93.05 | 95.71 | 96.43 | 96.77 | 92.79 | 92.68 |
| 0211 Lonaprofen | 89.89 | 89.22 | 94.96 | 87.12 | 82.02 | 93.41 | 96.06 | 94.90 | 94.22 | 98.84 | 98.39 | 94.82 | 93.89 |
| 0214 Isoxicam | -83.77 | -68.17 | -50.55 | -32.81 | -48.37 | -70.56 | 0.67 | 20.72 | -32.76 | 10.20 | 16.67 | -25.60 | -73.74 |
| 0219 Metanixin | 93.65 | 96.60 | 93.87 | 95.72 | 92.35 | 97.21 | 94.04 | 95.83 | 95.31 | 90.73 | 93.41 | 93.34 | 93.53 |
| 0220 Lexofenac | 97.52 | 98.11 | 97.53 | 98.31 | 98.33 | 98.13 | 96.44 | 99.25 | 99.03 | 98.81 | 98.84 | 98.34 | 94.91 |
| 0221 Naproxen | 96.04 | 96.44 | 97.73 | 97.52 | 96.03 | 97.68 | 96.94 | 96.65 | 97.95 | 98.08 | 98.46 | 98.53 | 95.01 |
| 0226 Fenclorac | 64.38 | 75.24 | 75.45 | 74.68 | 69.32 | 85.11 | 44.70 | 88.38 | 88.91 | 60.05 | 56.57 | 90.07 | 58.32 |
| 0228 Etoxazene | 69.14 | 50.14 | 61.78 | 40.36 | 45.95 | 66.09 | 52.98 | -4.54 | -18.97 | 54.83 | 65.60 | 23.42 | 76.10 |
| 0229 Oxapyrin | 43.09 | 69.37 | 75.70 | 65.16 | 45.58 | 43.31 | 72.12 | 64.62 | 33.58 | 71.24 | 68.20 | 58.53 | 66.65 |

Anexo 2a. Cont.

| Nombre* | ΔP% ^a | ΔP% ^b | ΔP% ^c | ΔP% ^d | ΔP% ^e | ΔP% ^f | ΔP% ^g | ΔP% ^h | ΔP% ⁱ | ΔP% ^j | ΔP% ^k | ΔP% ^l | ΔP% ^m |
|--|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 0230 Naproxol | 94.71 | 95.85 | 96.47 | 95.85 | 92.36 | 96.09 | 93.12 | 87.25 | 97.03 | 93.56 | 91.39 | 97.35 | 91.44 |
| 0232 Propyphenazone | 89.43 | 95.37 | 96.56 | 97.43 | 91.96 | 91.37 | 92.95 | 97.04 | 94.85 | 89.01 | 87.78 | 95.68 | 87.54 |
| 0234 Letimide Hydrochloride | 82.44 | 63.24 | 64.59 | 64.31 | 72.76 | 82.47 | 57.88 | 81.59 | 66.44 | 52.41 | 63.09 | 68.53 | 76.54 |
| 0236 Methylis Butetisalicylas | 82.14 | 79.33 | 84.61 | 73.59 | 73.14 | 81.28 | 80.56 | 90.16 | 65.85 | 75.76 | 86.48 | 88.82 | 70.69 |
| 0237 Cloximate Hydrochloride | 36.19 | 15.15 | 38.98 | 18.79 | 44.32 | 31.97 | 13.58 | -32.60 | 13.09 | 21.17 | -18.38 | -19.11 | 51.43 |
| 0238 Filenadol | 45.88 | 66.79 | 51.38 | 27.09 | 33.96 | 47.88 | 45.81 | 63.48 | 67.34 | 56.95 | 29.78 | 65.03 | 46.48 |
| 0242 Clofexamide | -30.78 | -35.94 | 22.47 | 14.47 | -31.16 | -30.61 | -0.93 | 8.04 | 9.15 | -11.51 | -38.22 | 0.10 | -50.17 |
| 0243 Eticyclidine | 81.04 | 87.18 | 87.88 | 84.82 | 76.57 | 84.37 | 76.85 | 91.86 | 87.70 | 85.05 | 83.56 | 91.36 | 64.72 |
| 0244 Profadol Hydrochloride | 69.08 | 75.68 | 67.94 | 70.81 | 68.47 | 77.54 | 48.07 | 65.12 | 70.91 | 42.79 | 23.03 | 78.81 | 67.38 |
| 0245 Moxifadol | 61.52 | 74.33 | 74.04 | 58.00 | 55.61 | 67.01 | 58.27 | 58.71 | 55.25 | 40.30 | 28.43 | 73.47 | 52.92 |
| 0246 Bromopride | -72.95 | -74.52 | -68.61 | -59.11 | -73.14 | -71.64 | -90.69 | -67.66 | -83.71 | -66.58 | -61.40 | -57.75 | -58.72 |
| 0247 Propetamide | 4.69 | 17.06 | 41.90 | 12.06 | -10.85 | -1.24 | 17.06 | 18.11 | 4.15 | 48.34 | 70.19 | 33.01 | -4.41 |
| 0248 Bucolome | 9.00 | -8.34 | -25.96 | 11.77 | -48.94 | 22.40 | -54.51 | -50.46 | -20.62 | -95.83 | -81.75 | -50.18 | -10.81 |
| 0250 Thiamine b-Hydroxyethyl disulfide | -67.92 | -71.54 | -81.98 | -50.96 | -83.57 | -82.07 | 31.03 | -92.43 | -78.01 | -83.01 | -81.97 | -80.97 | -76.95 |
| 0252 Menglytate | -46.81 | -29.89 | -17.76 | -52.29 | -45.37 | -40.84 | -48.30 | -29.80 | -17.03 | -31.06 | -65.59 | -66.30 | -52.30 |
| 0257 Flufenosal | 98.37 | 98.46 | 98.13 | 98.33 | 98.44 | 98.93 | 97.13 | 99.29 | 99.07 | 99.39 | 99.17 | 98.05 | 97.71 |
| 0258 Carprofen | 95.74 | 88.68 | 92.38 | 96.20 | 94.14 | 98.62 | 96.74 | 93.87 | 96.38 | 98.21 | 98.83 | 96.18 | 98.57 |
| 0259 Carbamazepine | 98.94 | 98.49 | 98.02 | 98.93 | 99.23 | 99.48 | 98.78 | 97.77 | 98.81 | 99.48 | 99.59 | 98.23 | 99.27 |
| 0260 Benhepazone | 98.96 | 93.10 | 98.37 | 98.21 | 99.40 | 98.94 | 99.12 | 98.72 | 99.04 | 98.43 | 98.28 | 97.76 | 97.35 |
| 0262 Acetylsalol | 99.43 | 99.27 | 99.19 | 98.92 | 99.43 | 99.19 | 98.44 | 99.40 | 98.99 | 99.59 | 99.30 | 97.35 | 98.91 |
| 0264 DKA 9 | 97.34 | 95.67 | 97.43 | 98.11 | 98.13 | 98.23 | 96.03 | 97.19 | 97.92 | 98.34 | 98.11 | 98.03 | 96.30 |
| 0266 Flurbiprofen | 98.60 | 98.96 | 99.05 | 98.85 | 98.45 | 99.21 | 98.51 | 98.13 | 99.02 | 98.41 | 98.15 | 98.70 | 97.92 |
| 0270 Pranoprofen | 97.53 | 98.24 | 97.97 | 97.34 | 97.66 | 98.19 | 98.40 | 97.66 | 98.59 | 98.49 | 98.97 | 97.45 | 98.01 |
| 0271 Ketorolac | 98.43 | 98.67 | 98.20 | 97.53 | 98.59 | 98.76 | 98.00 | 98.11 | 98.59 | 98.03 | 98.52 | 96.63 | 98.05 |
| 0275 Zomepirac sodium | 92.24 | 93.28 | 94.50 | 97.41 | 96.18 | 95.03 | 93.35 | 96.43 | 97.27 | 94.72 | 94.74 | 95.40 | 91.46 |
| 0281 Mefenamic Acid | 98.04 | 98.77 | 98.41 | 99.01 | 97.59 | 99.17 | 97.64 | 98.61 | 98.51 | 96.74 | 97.91 | 97.51 | 97.46 |
| 0283 Nafoxadol | 97.72 | 96.68 | 96.18 | 92.03 | 95.47 | 96.92 | 98.16 | 97.56 | 97.63 | 99.21 | 99.26 | 97.57 | 97.84 |
| 0284 Tolmetin | 96.57 | 97.47 | 97.96 | 98.29 | 98.19 | 97.40 | 96.23 | 98.33 | 98.40 | 96.97 | 96.58 | 97.61 | 95.25 |
| 0286 Picobenzide | 98.08 | 98.62 | 98.44 | 98.62 | 98.21 | 98.24 | 97.83 | 97.64 | 97.92 | 96.12 | 96.09 | 97.58 | 97.77 |
| 0289 Dibemethine Hydrochloride | 99.09 | 99.00 | 99.07 | 98.35 | 99.13 | 99.14 | 97.99 | 97.52 | 97.51 | 98.05 | 95.87 | 98.18 | 98.69 |

Anexo 2a. Cont.

| Nombre* | ΔP% ^a | ΔP% ^b | ΔP% ^c | ΔP% ^d | ΔP% ^e | ΔP% ^f | ΔP% ^g | ΔP% ^h | ΔP% ⁱ | ΔP% ^j | ΔP% ^k | ΔP% ^l | ΔP% ^m |
|--------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 0293 Tiaramide Hydrochloride | 67.12 | -3.17 | -24.19 | -0.94 | 58.36 | 26.49 | 8.28 | 23.78 | 1.75 | 12.46 | 18.16 | -10.89 | 47.54 |
| 0294 Isoprazone | 87.53 | 83.53 | 80.68 | 85.98 | 68.31 | 94.16 | 87.81 | 86.94 | 75.83 | 90.42 | 92.58 | 86.94 | 93.14 |
| 0295 Tetriprofen | 96.61 | 98.38 | 98.21 | 98.43 | 96.73 | 98.24 | 97.14 | 99.02 | 99.16 | 97.64 | 98.23 | 99.08 | 92.86 |
| 0296 Loxoprofen Sodium | 94.67 | 96.61 | 97.23 | 96.04 | 95.37 | 96.02 | 96.72 | 98.76 | 97.74 | 97.97 | 98.85 | 98.08 | 90.84 |
| 0305 Bromadoline Maleate | 31.85 | -7.50 | 16.46 | 24.61 | 56.18 | 23.87 | -36.23 | -9.00 | -2.18 | 36.54 | 31.30 | -4.79 | 55.85 |
| 0306 Epatozocine Hydrobromide | -21.94 | -25.23 | -29.75 | -26.00 | -10.81 | -16.13 | -7.84 | 7.92 | -6.74 | 4.74 | -38.28 | 9.22 | -15.07 |
| 0307 Tofetridine | 87.31 | 93.96 | 90.82 | 91.57 | 79.67 | 89.13 | 88.81 | 91.23 | 93.10 | 81.63 | 79.92 | 96.25 | 80.65 |
| 0309 Prodilidine Hydrochloride | 89.42 | 92.25 | 95.39 | 92.44 | 91.17 | 90.54 | 93.24 | 97.73 | 93.55 | 97.37 | 95.72 | 96.54 | 86.44 |
| 0311 Mexolamine | 64.89 | 75.10 | 76.84 | 68.48 | 54.45 | 67.88 | 44.91 | 44.29 | 66.24 | 20.75 | 12.34 | 58.76 | 61.93 |
| 0312 Allithiamine | -4.10 | -27.13 | -33.22 | -4.32 | -43.13 | -37.87 | 38.19 | -51.27 | -41.30 | -56.87 | -46.99 | -50.21 | -13.40 |
| 0313 Meptazinol Hydrochloride | 70.36 | 78.90 | 72.28 | 73.73 | 67.88 | 79.74 | 61.59 | 79.76 | 77.20 | 52.21 | 41.76 | 85.19 | 68.86 |
| 0314 Aminoprofen | 53.53 | 63.08 | 64.18 | 68.58 | 54.35 | 53.32 | 39.34 | 38.64 | 67.15 | 78.15 | 80.10 | 81.67 | 22.35 |
| 0320 Cinchophen | 99.46 | 99.07 | 98.86 | 99.24 | 99.47 | 99.78 | 99.51 | 99.23 | 99.65 | 99.63 | 99.66 | 98.81 | 99.60 |
| 0322 Flunoxaprofen | 97.95 | 98.17 | 98.12 | 97.11 | 97.89 | 98.64 | 98.38 | 96.66 | 98.58 | 97.94 | 98.34 | 96.94 | 97.52 |
| 0324 Tiopinac | 99.47 | 99.30 | 98.87 | 99.27 | 99.22 | 99.49 | 98.74 | 99.11 | 99.36 | 99.43 | 99.47 | 98.15 | 98.72 |
| 0326 Isoxepac | 99.22 | 99.26 | 98.84 | 99.17 | 99.25 | 99.47 | 98.97 | 99.16 | 99.55 | 99.35 | 99.32 | 98.49 | 99.18 |
| 0329 Salsalate Acetate | 99.13 | 99.12 | 98.27 | 98.93 | 99.21 | 99.16 | 97.26 | 99.30 | 99.04 | 99.45 | 99.23 | 96.71 | 98.37 |
| 0331 ZK 38997 | 89.71 | 96.51 | 95.79 | 87.37 | 89.76 | 91.51 | 96.88 | 92.79 | 95.49 | 91.63 | 83.15 | 67.53 | 89.33 |
| 0332 Colefenamate | 93.97 | 87.83 | 92.17 | 87.63 | 96.64 | 95.72 | 77.56 | 81.02 | 80.74 | 94.60 | 95.48 | 90.07 | 82.22 |
| 0333 Miroprofen | 99.02 | 98.50 | 98.80 | 98.68 | 99.19 | 99.29 | 99.02 | 98.71 | 99.15 | 99.22 | 99.46 | 98.48 | 98.53 |
| 0337 W 7477 | 7.96 | 26.20 | 56.52 | 55.96 | 63.24 | 46.60 | 84.84 | 81.28 | 56.40 | 87.85 | 89.21 | 53.69 | 21.22 |
| 0338 Cicloprofen | 99.38 | 99.05 | 99.44 | 99.73 | 99.46 | 99.76 | 99.63 | 99.64 | 99.82 | 99.79 | 99.86 | 99.69 | 99.51 |
| 0340 Fenbufen | 99.50 | 99.31 | 99.46 | 99.34 | 99.62 | 99.64 | 99.32 | 99.62 | 99.63 | 99.81 | 99.84 | 99.23 | 99.23 |
| 0342 Guacetisal | 98.94 | 99.13 | 99.03 | 98.73 | 98.83 | 98.60 | 98.08 | 99.15 | 98.40 | 99.39 | 98.90 | 97.62 | 98.28 |
| 0347 Butanixin | 94.72 | 96.21 | 92.82 | 92.18 | 92.87 | 97.24 | 85.50 | 91.15 | 92.11 | 88.06 | 89.58 | 88.44 | 93.45 |
| 0349 Budoxic acid | 88.18 | 90.48 | 87.35 | 88.72 | 90.26 | 92.35 | 82.74 | 96.70 | 97.02 | 93.86 | 94.64 | 96.15 | 80.10 |
| 0350 Lefetamine hydrochloride | 99.26 | 99.28 | 99.48 | 99.04 | 99.35 | 99.36 | 97.88 | 97.55 | 98.07 | 98.48 | 96.64 | 98.52 | 98.74 |
| 0352 Isoladol hydrochloride | 94.03 | 96.00 | 97.52 | 94.34 | 89.81 | 93.10 | 88.68 | 70.25 | 71.68 | 78.26 | 78.57 | 89.72 | 88.00 |
| 0353 Perisoxal citrate | 87.39 | 88.08 | 78.18 | 59.73 | 78.17 | 86.76 | 84.52 | 75.58 | 77.17 | 66.84 | 63.76 | 69.26 | 90.64 |
| 0354 Azapropazone | 74.15 | 60.44 | 58.94 | 78.51 | 65.41 | 76.62 | 73.23 | 84.40 | 71.24 | 61.09 | 67.81 | 89.78 | 79.60 |
| 0361 Ethoheptazine | 90.12 | 89.39 | 90.16 | 85.75 | 87.80 | 91.48 | 88.38 | 95.73 | 89.07 | 94.90 | 95.02 | 95.40 | 86.79 |

Anexo 2a. Cont.

| Nombre* | ΔP% ^a | ΔP% ^b | ΔP% ^c | ΔP% ^d | ΔP% ^e | ΔP% ^f | ΔP% ^g | ΔP% ^h | ΔP% ⁱ | ΔP% ^j | ΔP% ^k | ΔP% ^l | ΔP% ^m |
|----------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 0362 Methetazine | 90.65 | 89.34 | 93.36 | 90.26 | 89.92 | 91.56 | 90.02 | 89.55 | 86.38 | 92.19 | 91.34 | 94.96 | 87.08 |
| 0363 Pranosalsalicylate | 76.31 | 79.95 | 77.17 | 67.22 | 70.86 | 81.08 | 71.55 | 83.10 | 77.98 | 70.09 | 70.03 | 61.99 | 71.05 |
| 0366 Piconadol hydrochloride | 74.22 | 84.73 | 83.43 | 85.23 | 75.12 | 83.59 | 58.67 | 79.40 | 83.39 | 52.90 | 35.32 | 87.38 | 69.53 |
| 0367 Tramadol hydrochloride | 56.71 | 66.35 | 61.41 | 54.94 | 54.09 | 65.11 | 43.61 | 23.80 | 44.10 | 37.98 | 21.52 | 68.91 | 54.41 |
| 0368 Propiram fumarate | 63.13 | 68.26 | 63.39 | 51.54 | 71.10 | 67.01 | 75.09 | 81.94 | 71.46 | 78.80 | 67.95 | 64.35 | 75.67 |
| 0376 Talosalate | 99.81 | 99.56 | 99.38 | 99.53 | 99.75 | 99.70 | 99.02 | 99.68 | 99.54 | 99.76 | 99.64 | 98.60 | 99.49 |
| 0377 Lonazolac calcium | 98.99 | 97.78 | 98.23 | 97.76 | 99.38 | 99.19 | 98.49 | 98.08 | 98.48 | 99.19 | 99.12 | 97.16 | 98.93 |
| 0379 Oxapadol | 99.28 | 99.48 | 99.00 | 97.70 | 99.19 | 99.41 | 99.63 | 99.43 | 99.52 | 99.56 | 99.33 | 98.64 | 99.53 |
| 0381 Indoprofen | 99.56 | 99.49 | 99.53 | 99.57 | 99.65 | 99.68 | 99.40 | 99.24 | 99.59 | 99.46 | 99.65 | 99.10 | 99.27 |
| 0383 Benorilate | 99.06 | 98.53 | 98.78 | 99.09 | 99.47 | 98.76 | 97.10 | 99.54 | 98.61 | 99.83 | 99.67 | 96.99 | 98.33 |
| 0385 Fluradoline hydrochloride | 97.90 | 97.45 | 92.00 | 92.60 | 93.48 | 95.31 | 98.52 | 39.44 | 93.67 | 95.45 | 93.97 | 88.01 | 96.56 |
| 0387 Nifenazone | 98.38 | 98.76 | 98.69 | 98.17 | 98.58 | 98.38 | 98.33 | 97.26 | 95.96 | 97.58 | 97.10 | 94.84 | 98.78 |
| 0394 Benzidol | 94.87 | 94.42 | 92.17 | 86.84 | 92.83 | 93.92 | 94.50 | 77.52 | 92.39 | 94.75 | 94.70 | 89.64 | 92.14 |
| 0395 Dimefadane | 99.66 | 99.61 | 99.66 | 99.58 | 99.67 | 99.75 | 99.07 | 98.97 | 99.40 | 99.37 | 98.77 | 99.39 | 99.49 |
| 0397 Morphine | 94.57 | 96.87 | 93.17 | 94.13 | 92.20 | 96.57 | 94.68 | 94.84 | 95.58 | 86.27 | 80.73 | 94.78 | 96.15 |
| 0398 Norcodeine | 94.26 | 97.10 | 94.56 | 94.75 | 89.34 | 94.95 | 96.36 | 94.80 | 95.06 | 91.43 | 87.66 | 96.56 | 94.16 |
| 0399 Hydromorphone hydrochloride | 94.81 | 97.51 | 94.41 | 94.66 | 93.44 | 96.57 | 96.77 | 98.29 | 98.02 | 94.51 | 93.57 | 97.14 | 97.38 |
| 0401 Mortrinaminoxide | 93.63 | 97.40 | 92.66 | 96.34 | 97.47 | 92.41 | 96.83 | 96.34 | 93.59 | 95.46 | 95.77 | 92.96 | 98.06 |
| 0402 Tinoride hydrochloride | 93.99 | 89.15 | 82.70 | 94.83 | 86.46 | 91.31 | 93.05 | 95.45 | 86.25 | 91.68 | 92.87 | 93.26 | 82.77 |
| 0403 Desomorphine | 93.88 | 97.10 | 92.77 | 94.22 | 91.30 | 96.57 | 96.12 | 97.92 | 97.84 | 90.60 | 89.51 | 97.59 | 95.93 |
| 0406 Hydromorphinol | 69.62 | 83.13 | 66.40 | 73.53 | 61.17 | 81.26 | 82.43 | 86.78 | 85.68 | 61.98 | 63.48 | 86.48 | 80.10 |
| 0408 Ag246 | 92.70 | 90.76 | 87.90 | 83.88 | 92.57 | 92.90 | 95.97 | 94.01 | 90.43 | 94.79 | 93.93 | 91.38 | 96.03 |
| 0410 Racemorphan | 93.88 | 97.10 | 92.77 | 94.22 | 91.30 | 96.57 | 96.12 | 97.92 | 97.84 | 90.60 | 89.51 | 97.59 | 95.93 |
| 0411 Tilidine | 96.03 | 96.33 | 97.13 | 96.97 | 94.77 | 96.55 | 93.87 | 96.63 | 93.77 | 97.49 | 97.05 | 97.33 | 94.25 |
| 0413 AP 237 | 95.00 | 93.95 | 95.16 | 90.33 | 95.62 | 95.81 | 95.27 | 97.61 | 91.57 | 93.34 | 95.88 | 94.49 | 95.29 |
| 0414 Carperidine | 60.68 | 64.81 | 60.00 | 39.94 | 55.46 | 55.65 | 71.70 | 65.85 | 60.22 | 92.88 | 95.86 | 86.39 | 46.96 |
| 0416 Etazocine hydrochloride | 90.06 | 96.23 | 96.19 | 97.27 | 90.89 | 95.04 | 89.23 | 97.57 | 97.14 | 81.37 | 77.39 | 98.05 | 86.24 |
| 0417 Trimeperidine hydrochloride | 90.62 | 92.06 | 95.54 | 93.86 | 92.51 | 91.31 | 92.00 | 97.48 | 93.03 | 97.41 | 96.02 | 96.90 | 87.69 |
| 0418 Alphameprodine | 90.36 | 92.15 | 94.11 | 92.16 | 90.24 | 91.64 | 91.50 | 97.30 | 92.03 | 96.41 | 95.37 | 96.70 | 87.63 |
| 0420 Metethoheptazine | 90.50 | 91.23 | 92.56 | 90.24 | 89.46 | 92.24 | 89.11 | 96.77 | 91.20 | 95.80 | 95.15 | 96.54 | 87.09 |

Anexo 2a. Cont.

| Nombre* | ΔP% ^a | ΔP% ^b | ΔP% ^c | ΔP% ^d | ΔP% ^e | ΔP% ^f | ΔP% ^g | ΔP% ^h | ΔP% ⁱ | ΔP% ^j | ΔP% ^k | ΔP% ^l | ΔP% ^m |
|---------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 0421 Proheptazine | 89.82 | 90.87 | 92.75 | 90.25 | 90.11 | 90.84 | 92.13 | 95.98 | 92.35 | 96.52 | 95.68 | 95.40 | 88.29 |
| 0422 Proxazole citrate | 87.41 | 92.68 | 93.80 | 93.17 | 86.47 | 89.95 | 77.55 | 89.02 | 89.50 | 64.76 | 57.97 | 83.98 | 84.44 |
| 0424 Dibusadol citrate | 57.41 | 65.77 | 54.61 | 59.70 | 60.40 | 62.99 | 49.70 | 83.60 | 66.69 | 89.17 | 83.90 | 62.77 | 49.02 |
| 0424 Dibusadol citrate | 57.41 | 65.77 | 54.61 | 59.70 | 60.40 | 62.99 | 49.70 | 83.60 | 66.69 | 89.17 | 83.90 | 62.77 | 49.02 |
| 0425 Fursultiamine | -24.00 | -33.07 | -43.54 | -31.60 | -57.48 | -49.08 | 45.00 | -32.88 | -41.41 | -46.14 | -31.76 | -48.21 | -24.43 |
| 0427 Embutramide | 47.98 | 78.75 | 81.28 | 79.65 | 43.85 | 55.58 | 61.02 | 77.81 | 71.62 | 61.97 | 71.24 | 90.85 | 7.46 |
| 0436 Delmetacin | 99.68 | 99.63 | 99.56 | 99.82 | 99.81 | 99.83 | 99.69 | 99.86 | 99.88 | 99.85 | 99.85 | 99.65 | 99.56 |
| 0438 Analgen | 99.38 | 99.51 | 99.05 | 98.88 | 98.94 | 99.67 | 99.18 | 98.94 | 99.21 | 99.56 | 99.48 | 98.41 | 99.59 |
| 0439 GP 650 | 98.98 | 99.13 | 99.37 | 99.22 | 99.33 | 99.22 | 99.33 | 98.85 | 99.09 | 99.47 | 99.62 | 98.31 | 99.31 |
| 0442 Fluproquazone | 98.99 | 98.17 | 98.51 | 99.09 | 98.82 | 99.36 | 98.68 | 99.60 | 99.48 | 99.11 | 98.99 | 99.40 | 98.25 |
| 0443 Indobufen | 99.47 | 99.49 | 97.02 | 99.05 | 99.13 | 98.46 | 99.08 | 99.57 | 92.90 | 86.81 | 91.99 | 99.00 | 99.87 |
| 0446 Ufenamate | 98.63 | 97.69 | 97.47 | 95.12 | 98.13 | 99.06 | 91.34 | 96.70 | 93.40 | 92.48 | 96.61 | 97.07 | 92.40 |
| 0447 Etofenamate | 96.31 | 94.43 | 92.36 | 84.27 | 94.18 | 96.96 | 86.88 | 92.71 | 84.27 | 93.60 | 96.67 | 92.09 | 76.49 |
| 0448 Proquazone | 99.39 | 98.62 | 98.85 | 99.50 | 99.34 | 99.62 | 99.09 | 99.77 | 99.69 | 99.60 | 99.53 | 99.59 | 98.98 |
| 0450 Methylniphénazine | 98.78 | 99.23 | 99.36 | 99.24 | 99.25 | 98.76 | 99.31 | 98.85 | 98.33 | 98.58 | 98.27 | 98.16 | 99.16 |
| 0452 Metyldesorfina | 97.28 | 98.33 | 97.41 | 98.08 | 96.85 | 98.32 | 98.06 | 98.28 | 98.71 | 95.16 | 94.39 | 98.34 | 98.39 |
| 0453 Codein | 95.88 | 98.18 | 96.87 | 96.71 | 94.66 | 97.19 | 97.13 | 96.60 | 97.42 | 93.99 | 88.29 | 98.23 | 96.74 |
| 0454 Metopon | 94.64 | 98.21 | 96.52 | 97.56 | 93.87 | 96.95 | 98.37 | 99.14 | 99.07 | 97.04 | 97.06 | 98.54 | 97.57 |
| 0456 Ro 11-4337 | 98.37 | 98.22 | 99.29 | 98.84 | 99.02 | 97.97 | 96.42 | 96.42 | 96.67 | 97.75 | 96.27 | 97.23 | 97.60 |
| 0457 Ketazocine | 94.18 | 96.26 | 93.97 | 95.12 | 94.52 | 96.17 | 95.94 | 98.31 | 97.53 | 92.15 | 89.10 | 97.50 | 95.95 |
| 0458 Metyldihidromorfina | 83.16 | 86.71 | 80.59 | 86.51 | 85.28 | 88.60 | 87.28 | 93.59 | 92.10 | 84.76 | 77.65 | 93.34 | 90.53 |
| 0459 Dihydrocodeine | 89.66 | 95.71 | 92.11 | 92.32 | 87.10 | 93.09 | 94.71 | 95.53 | 96.36 | 90.73 | 84.42 | 97.89 | 92.14 |
| 0460 Morfina metilbromida | 93.26 | 93.05 | 85.98 | 93.55 | 94.59 | 94.99 | 91.71 | 91.11 | 93.13 | 83.27 | 74.73 | 91.91 | 96.54 |
| 0461 Azaprocin | 97.98 | 97.93 | 98.48 | 97.21 | 98.45 | 98.23 | 98.30 | 98.61 | 97.43 | 98.29 | 97.84 | 96.76 | 98.19 |
| 0463 Racemethorphan | 96.67 | 98.55 | 98.19 | 98.16 | 96.61 | 97.92 | 96.89 | 98.58 | 98.75 | 95.36 | 93.08 | 99.31 | 95.41 |
| 0464 Cyclazocine | 94.96 | 97.03 | 96.45 | 97.05 | 95.59 | 96.95 | 95.84 | 98.71 | 98.02 | 91.88 | 90.26 | 98.28 | 94.52 |
| 0465 Moxazocine | 92.10 | 94.70 | 93.43 | 92.53 | 92.11 | 94.44 | 91.73 | 94.48 | 93.68 | 88.59 | 83.24 | 96.12 | 92.37 |
| 0467 Tiemonium iodide | 95.86 | 91.29 | 85.02 | 86.99 | 94.92 | 92.54 | 94.46 | 94.23 | 85.08 | 90.88 | 87.93 | 89.08 | 92.70 |
| 0468 TR 35 | 18.70 | 3.95 | -13.87 | -21.26 | 28.65 | 3.47 | 19.09 | -5.20 | -29.78 | -4.40 | -15.29 | 25.73 | 69.75 |
| 0470 Aminohexan | 86.18 | 83.55 | 85.61 | 79.16 | 86.02 | 86.58 | 79.90 | 71.50 | 77.31 | 76.55 | 73.40 | 75.34 | 86.46 |
| 0471 Droxypropine | 82.71 | 90.94 | 88.90 | 81.02 | 79.19 | 85.13 | 92.35 | 97.39 | 90.70 | 95.09 | 94.97 | 94.42 | 72.89 |

Anexo 2a. Cont.

| Nombre* | ΔP% ^a | ΔP% ^b | ΔP% ^c | ΔP% ^d | ΔP% ^e | ΔP% ^f | ΔP% ^g | ΔP% ^h | ΔP% ⁱ | ΔP% ^j | ΔP% ^k | ΔP% ^l | ΔP% ^m |
|--------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 0472 Etoxeridine | 78.54 | 81.88 | 79.13 | 62.40 | 70.96 | 79.66 | 84.62 | 96.26 | 77.95 | 94.99 | 96.03 | 91.18 | 62.57 |
| 0476 Allylcinchophen | 99.82 | 99.53 | 99.54 | 99.48 | 99.71 | 99.89 | 99.85 | 99.68 | 99.81 | 99.84 | 99.87 | 99.50 | 99.88 |
| 0477 Clometacin | 97.76 | 98.07 | 98.53 | 99.27 | 98.52 | 99.11 | 99.14 | 99.40 | 99.63 | 99.60 | 99.55 | 99.39 | 98.57 |
| 0478 Indometacin | 98.87 | 98.55 | 98.93 | 99.60 | 99.41 | 99.42 | 99.07 | 99.40 | 99.66 | 99.55 | 99.53 | 99.35 | 98.65 |
| 0481 Glafenine | 96.26 | 84.93 | 81.78 | 81.31 | 92.26 | 96.53 | 94.64 | 74.78 | 85.42 | 96.34 | 98.13 | 84.09 | 96.63 |
| 0484 Prefenamate | 99.42 | 98.85 | 99.31 | 98.90 | 99.51 | 99.52 | 96.60 | 97.15 | 97.95 | 96.48 | 97.51 | 97.89 | 96.97 |
| 0487 Carbethyl Salicylate | 99.54 | 99.08 | 98.86 | 98.99 | 99.27 | 99.40 | 97.24 | 99.73 | 98.74 | 99.64 | 99.78 | 98.77 | 98.39 |
| 0489 Pinadolíne | 90.80 | 74.29 | 78.62 | 84.23 | 91.40 | 91.47 | 90.80 | 36.19 | 64.95 | 86.74 | 90.89 | 62.80 | 94.73 |
| 0492 Etersalate | 99.01 | 98.88 | 99.01 | 99.08 | 99.37 | 98.71 | 98.05 | 99.74 | 99.01 | 99.91 | 99.81 | 98.50 | 98.09 |
| 0496 Ditazole | 97.76 | 96.38 | 93.80 | 95.05 | 96.44 | 98.37 | 96.63 | 92.82 | 97.61 | 98.05 | 98.32 | 97.05 | 96.76 |
| 0503 Meprotixol | 96.26 | 95.00 | 88.94 | 92.68 | 92.82 | 96.72 | 93.32 | 85.70 | 92.35 | 91.79 | 91.73 | 92.89 | 93.92 |
| 0504 Aethomorphinum | 96.08 | 98.58 | 97.07 | 97.15 | 95.02 | 97.49 | 96.55 | 98.17 | 98.81 | 97.12 | 93.68 | 98.45 | 96.84 |
| 0505 Benzydamine hydrochloride | 97.86 | 96.98 | 95.62 | 93.63 | 97.63 | 98.11 | 96.73 | 89.89 | 94.61 | 92.99 | 94.71 | 91.09 | 98.44 |
| 0508 Levome promazine | 92.75 | 89.77 | 82.54 | 82.93 | 91.33 | 92.17 | 89.75 | 68.69 | 88.26 | 90.20 | 90.47 | 86.15 | 93.91 |
| 0509 Salverine | 97.40 | 98.18 | 97.77 | 96.12 | 96.88 | 98.29 | 95.34 | 96.85 | 94.40 | 95.91 | 96.21 | 92.45 | 97.44 |
| 0511 Proxorphan tartrate | 97.04 | 97.78 | 95.84 | 95.21 | 96.31 | 97.91 | 96.98 | 98.42 | 98.06 | 94.45 | 92.14 | 98.09 | 96.89 |
| 0513 Dimetotiazine | -6.81 | -41.75 | -20.16 | 51.76 | 66.21 | -12.72 | 91.83 | -3.07 | 1.98 | 93.71 | 84.79 | 45.04 | 8.82 |
| 0514 U-5048H | 76.90 | 65.34 | 82.49 | 78.90 | 85.26 | 86.79 | 80.79 | 89.09 | 81.56 | 75.31 | 74.63 | 85.52 | 87.12 |
| 0516 Pentazocine | 95.49 | 97.56 | 98.33 | 99.07 | 97.67 | 97.15 | 96.13 | 98.92 | 98.80 | 92.61 | 89.98 | 98.68 | 94.61 |
| 0518 Mr2033 | 93.16 | 96.46 | 95.58 | 95.01 | 93.65 | 95.63 | 96.15 | 99.19 | 97.82 | 94.07 | 93.71 | 98.35 | 92.89 |
| 0519 Drotebanol | 67.14 | 88.48 | 84.31 | 90.42 | 68.70 | 79.93 | 86.48 | 88.55 | 87.53 | 75.06 | 63.87 | 96.78 | 65.67 |
| 0520 Eurazyl | 93.51 | 94.86 | 92.95 | 93.79 | 89.04 | 96.33 | 93.16 | 97.75 | 97.33 | 88.91 | 87.33 | 97.39 | 90.32 |
| 0522 Nixeridine hydrochloride | 91.64 | 92.76 | 94.77 | 94.71 | 94.38 | 92.49 | 88.93 | 96.04 | 93.83 | 97.09 | 95.67 | 94.89 | 88.76 |
| 0524 Floctafenine | 97.23 | 94.23 | 89.84 | 89.56 | 95.42 | 98.29 | 93.75 | 87.17 | 93.52 | 96.30 | 98.39 | 95.30 | 90.51 |
| 0526 Cinnofuradione | 99.57 | 99.10 | 98.74 | 98.21 | 99.26 | 99.66 | 99.69 | 99.71 | 99.58 | 99.70 | 99.75 | 99.21 | 99.75 |
| 0528 Feprazone | 99.58 | 99.68 | 99.69 | 99.52 | 99.33 | 99.58 | 99.62 | 98.94 | 99.66 | 99.47 | 99.46 | 98.17 | 99.69 |
| 0529 Difenamizole | 98.63 | 97.59 | 98.45 | 96.50 | 99.03 | 98.90 | 97.97 | 95.68 | 92.53 | 98.58 | 98.11 | 95.42 | 99.11 |
| 0530 HG-70 | 97.48 | 96.45 | 95.36 | 94.76 | 96.87 | 98.31 | 95.99 | 96.07 | 94.75 | 95.51 | 95.11 | 96.94 | 97.46 |
| 0531 Clonitazene | 90.35 | 92.14 | 95.49 | 81.17 | 96.73 | 87.73 | 92.46 | 94.29 | 95.46 | 91.53 | 92.19 | 91.85 | 88.46 |
| 0532 Sklerosan | 99.79 | 99.72 | 99.69 | 99.77 | 99.77 | 99.80 | 99.33 | 98.59 | 99.45 | 99.17 | 98.94 | 99.76 | |

Anexo 2a. Cont.

| Nombre* | ΔP% ^a | ΔP% ^b | ΔP% ^c | ΔP% ^d | ΔP% ^e | ΔP% ^f | ΔP% ^g | ΔP% ^h | ΔP% ⁱ | ΔP% ^j | ΔP% ^k | ΔP% ^l | ΔP% ^m |
|---------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 0534 Thebacon | 98.39 | 99.22 | 99.06 | 99.10 | 98.67 | 98.69 | 98.96 | 99.66 | 99.49 | 99.53 | 98.99 | 99.57 | 98.72 |
| 0535 Metrazifone | 96.97 | 96.20 | 97.32 | 98.53 | 97.56 | 98.32 | 96.64 | 92.27 | 96.74 | 97.55 | 95.78 | 98.72 | 97.87 |
| 0537 Metofoline | 98.56 | 99.31 | 99.54 | 99.54 | 98.62 | 99.02 | 98.86 | 98.70 | 99.04 | 97.68 | 96.19 | 99.59 | 98.03 |
| 0540 Normethadone | 99.54 | 99.57 | 99.56 | 99.52 | 99.58 | 99.66 | 99.10 | 99.08 | 99.43 | 99.60 | 99.18 | 99.40 | 99.37 |
| 0542 Ketorfanol | 98.84 | 99.32 | 98.44 | 98.94 | 98.87 | 99.27 | 98.81 | 99.69 | 99.44 | 98.52 | 98.31 | 99.08 | 98.79 |
| 0543 Dimerroxadol hydrochloride | 98.52 | 98.60 | 98.30 | 97.16 | 98.32 | 98.76 | 97.16 | 97.35 | 96.96 | 98.76 | 98.01 | 97.41 | 98.48 |
| 0544 Acetyl dihydrocodeine | 96.75 | 98.56 | 98.15 | 98.03 | 97.13 | 97.57 | 98.34 | 99.63 | 99.26 | 99.23 | 98.41 | 99.52 | 97.32 |
| 0546 Mimbane hydrochloride | 98.39 | 99.08 | 98.44 | 98.64 | 98.44 | 99.28 | 99.39 | 99.75 | 99.63 | 98.54 | 98.48 | 99.64 | 98.89 |
| 0547 Anilopam hydrochloride | 98.80 | 99.12 | 99.52 | 99.38 | 98.99 | 99.10 | 98.39 | 98.95 | 98.54 | 97.74 | 97.66 | 99.22 | 98.07 |
| 0548 Fentatiénil | 99.16 | 98.51 | 98.03 | 98.30 | 98.84 | 98.19 | 99.23 | 99.48 | 98.47 | 99.04 | 98.81 | 98.52 | 98.05 |
| 0549 Veradoline hydrochloride | 97.39 | 98.89 | 99.35 | 99.28 | 97.33 | 98.29 | 98.49 | 98.50 | 97.71 | 96.25 | 95.47 | 99.33 | 96.56 |
| 0551 Cyclorphan | 98.11 | 98.97 | 97.91 | 98.17 | 97.82 | 98.96 | 98.17 | 99.51 | 99.21 | 96.08 | 95.95 | 99.12 | 97.85 |
| 0554 Ibazocine | 95.34 | 97.33 | 98.58 | 99.32 | 98.02 | 96.97 | 96.12 | 98.98 | 99.11 | 93.31 | 91.01 | 98.91 | 94.93 |
| 0555 Bremazocine | 88.50 | 92.54 | 95.30 | 97.51 | 93.93 | 92.66 | 92.67 | 98.46 | 97.56 | 88.63 | 87.68 | 97.54 | 88.05 |
| 0558 Talniflumate | 99.96 | 99.87 | 99.82 | 99.74 | 99.94 | 99.96 | 99.46 | 99.43 | 99.54 | 99.48 | 99.66 | 99.28 | 99.72 |
| 0566 Diacetylmorphine | 99.26 | 99.46 | 99.37 | 99.50 | 99.57 | 99.29 | 99.16 | 99.94 | 99.82 | 99.94 | 99.79 | 99.73 | 99.25 |
| 0567 Quillifoline | 99.44 | 99.73 | 99.79 | 99.77 | 99.43 | 99.62 | 99.54 | 99.61 | 99.65 | 99.05 | 98.65 | 99.79 | 99.19 |
| 0568 Vintiamol | 97.40 | 96.53 | 97.03 | 97.41 | 95.78 | 95.35 | 99.11 | 93.98 | 94.80 | 93.63 | 96.35 | 92.20 | 95.76 |
| 0569 Acerfutiamine | 90.44 | 83.39 | 91.35 | 88.55 | 91.19 | 72.23 | 95.89 | 96.22 | 87.48 | 93.40 | 95.13 | 69.20 | 90.70 |
| 0573 Myfadol | 99.60 | 99.79 | 99.81 | 99.78 | 99.70 | 99.69 | 99.51 | 99.83 | 99.75 | 99.36 | 99.19 | 99.56 | 99.49 |
| 0574 Moramide Intermediate | 99.45 | 99.62 | 99.32 | 99.25 | 99.48 | 99.72 | 99.20 | 99.78 | 99.47 | 99.62 | 99.52 | 99.56 | 99.28 |
| 0575 Nalmexone Hydrochloride | 98.15 | 99.21 | 98.73 | 99.08 | 98.49 | 98.76 | 99.05 | 99.61 | 99.57 | 98.05 | 97.83 | 98.88 | 99.05 |
| 0579 Ba-20227 | 91.92 | 96.76 | 97.89 | 87.47 | 96.89 | 89.53 | 94.53 | 95.83 | 96.24 | 93.78 | 94.09 | 95.94 | 89.80 |
| 0587 Isomethadone | 99.54 | 99.61 | 99.60 | 99.66 | 99.62 | 99.68 | 99.15 | 99.24 | 99.54 | 99.67 | 99.22 | 99.54 | 99.40 |
| 0588 Chinsedal | 98.85 | 98.02 | 98.02 | 97.15 | 98.85 | 98.98 | 96.49 | 95.48 | 94.11 | 96.78 | 95.86 | 93.92 | 98.28 |
| 0589 Ibuprofen pyridoxine ester | 97.37 | 98.97 | 98.71 | 99.21 | 97.07 | 98.17 | 96.32 | 98.69 | 99.01 | 94.28 | 95.96 | 98.58 | 94.44 |
| 0590 Nalbuphine hydrochloride | 87.35 | 93.67 | 82.37 | 85.47 | 81.34 | 92.91 | 93.91 | 95.97 | 95.28 | 81.20 | 83.84 | 92.88 | 92.55 |
| 0593 Diampropomide | 99.43 | 99.51 | 99.76 | 99.55 | 99.65 | 99.51 | 99.28 | 99.75 | 99.23 | 99.65 | 99.50 | 99.56 | 99.17 |
| 0596 Dimepheptanol | 98.94 | 99.22 | 99.35 | 99.28 | 99.16 | 99.33 | 96.56 | 98.26 | 98.70 | 98.75 | 97.20 | 99.21 | 97.85 |
| 0597 Butorphanol | 95.61 | 97.75 | 95.77 | 96.43 | 95.09 | 97.77 | 96.93 | 99.10 | 98.37 | 92.00 | 94.26 | 98.17 | 95.49 |
| 0604 Viminol | 89.04 | 92.79 | 97.16 | 94.69 | 93.18 | 92.34 | 84.09 | 92.61 | 91.42 | 80.91 | 75.99 | 87.70 | 85.81 |

Anexo 2a. Cont.

| Nombre* | ΔP% ^a | ΔP% ^b | ΔP% ^c | ΔP% ^d | ΔP% ^e | ΔP% ^f | ΔP% ^g | ΔP% ^h | ΔP% ⁱ | ΔP% ^j | ΔP% ^k | ΔP% ^l | ΔP% ^m |
|---------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 0605 Cogazocine | 95.64 | 98.14 | 98.09 | 98.87 | 96.42 | 97.76 | 96.76 | 99.34 | 99.25 | 92.86 | 92.81 | 99.10 | 95.20 |
| 0606 Furethidine | 90.75 | 92.15 | 92.04 | 71.45 | 85.03 | 91.78 | 97.05 | 98.87 | 94.29 | 98.87 | 98.73 | 96.81 | 90.14 |
| 0608 Alfentanil Hydrochloride | 79.26 | 75.54 | 84.88 | 82.13 | 82.28 | 78.40 | 70.35 | 83.28 | 32.55 | 75.89 | 65.35 | 80.74 | 92.33 |
| 0613 Tifluadom | 99.83 | 99.69 | 99.62 | 99.34 | 99.15 | 99.75 | 99.89 | 99.35 | 99.39 | 99.64 | 99.78 | 99.40 | 99.78 |
| 0615 Pketoprofen | 99.93 | 99.95 | 99.94 | 99.94 | 99.91 | 99.96 | 99.95 | 99.89 | 99.91 | 99.94 | 99.95 | 99.81 | 99.95 |
| 0618 Cinnopentazone | 99.83 | 99.68 | 99.63 | 99.58 | 99.70 | 99.88 | 99.68 | 99.75 | 99.73 | 99.52 | 99.68 | 99.56 | 99.86 |
| 0632 Phenazocine | 99.82 | 99.91 | 99.93 | 99.93 | 99.87 | 99.89 | 99.78 | 99.94 | 99.91 | 99.52 | 99.45 | 99.88 | 99.67 |
| 0633 Proxibutene | 99.78 | 99.63 | 99.73 | 99.76 | 99.82 | 99.75 | 99.46 | 99.39 | 99.43 | 99.86 | 99.76 | 99.44 | 99.71 |
| 0634 Pipehate Hydrochloride | 99.68 | 99.54 | 99.51 | 99.36 | 99.50 | 99.65 | 99.32 | 99.72 | 99.37 | 99.81 | 99.84 | 99.62 | 99.18 |
| 0636 Oxpeneridine | 99.69 | 99.73 | 99.78 | 99.59 | 99.66 | 99.74 | 99.52 | 99.87 | 99.46 | 99.75 | 99.77 | 99.70 | 99.31 |
| 0637 Dioxaphetyl Butyrate | 99.69 | 99.68 | 99.63 | 99.27 | 99.58 | 99.76 | 99.61 | 99.92 | 99.58 | 99.90 | 99.89 | 99.79 | 99.48 |
| 0645 Carbazocine | 99.42 | 99.45 | 98.77 | 98.70 | 98.92 | 99.78 | 99.51 | 99.77 | 99.59 | 99.21 | 99.37 | 99.64 | 99.70 |
| 0647 Aniteridine | 99.46 | 99.16 | 99.56 | 99.24 | 99.43 | 99.52 | 99.29 | 99.73 | 98.33 | 99.58 | 99.73 | 99.51 | 99.09 |
| 0648 Etonitazene | 98.11 | 98.59 | 98.75 | 98.89 | 97.96 | 98.55 | 90.77 | 96.67 | 98.60 | 95.10 | 88.77 | 97.62 | 93.27 |
| 0660 Dimeprotane Hydrochloride | 99.54 | 99.41 | 99.60 | 99.40 | 99.66 | 99.53 | 98.80 | 99.27 | 98.89 | 99.73 | 99.53 | 99.09 | 99.21 |
| 0661 Noracymethadol | 99.51 | 99.53 | 99.75 | 99.75 | 99.61 | 99.43 | 98.65 | 99.76 | 99.51 | 99.90 | 99.79 | 99.78 | 98.34 |
| 0664 Sufentanil | 98.60 | 97.14 | 96.75 | 97.25 | 98.15 | 96.53 | 98.48 | 98.06 | 96.46 | 99.32 | 98.10 | 97.54 | 97.29 |
| 0674 Florifenine | 99.64 | 99.14 | 98.69 | 97.62 | 99.52 | 99.83 | 99.08 | 98.95 | 98.91 | 99.29 | 99.52 | 98.99 | 99.32 |
| 0675 Tolmetin Paracetamol Ester | 99.93 | 99.91 | 99.96 | 99.97 | 99.97 | 99.92 | 99.85 | 99.96 | 99.91 | 99.96 | 99.95 | 99.80 | 99.89 |
| 0682 Morazone | 99.70 | 99.92 | 99.93 | 99.90 | 99.81 | 99.76 | 99.84 | 99.88 | 99.84 | 99.81 | 99.54 | 99.72 | 99.74 |
| 0684 Indopine | 99.88 | 99.87 | 99.79 | 99.65 | 99.80 | 99.93 | 99.81 | 99.88 | 99.71 | 99.73 | 99.76 | 99.78 | 99.88 |
| 0687 Norpipanone | 99.84 | 99.89 | 99.85 | 99.80 | 99.81 | 99.90 | 99.85 | 99.94 | 99.89 | 99.87 | 99.85 | 99.88 | 99.77 |
| 0689 Phenadoxone | 99.79 | 99.87 | 99.87 | 99.79 | 99.80 | 99.85 | 99.84 | 99.96 | 99.89 | 99.93 | 99.89 | 99.89 | 99.68 |
| 0690 Pyrrolifene Hydrochloride | 99.83 | 99.84 | 99.87 | 99.82 | 99.88 | 99.84 | 99.73 | 99.95 | 99.82 | 99.94 | 99.90 | 99.81 | 99.70 |
| 0691 Benzethidine | 99.78 | 99.79 | 99.83 | 99.55 | 99.74 | 99.79 | 99.71 | 99.92 | 99.63 | 99.89 | 99.87 | 99.85 | 99.57 |
| 0693 Conorfone Hydrochloride | 98.13 | 99.46 | 99.07 | 98.51 | 97.64 | 98.79 | 99.35 | 99.72 | 99.72 | 99.21 | 98.61 | 99.66 | 99.14 |
| 0694 Pimidodine | 99.59 | 99.52 | 99.62 | 99.17 | 99.44 | 99.59 | 99.45 | 99.82 | 98.96 | 99.77 | 99.83 | 99.64 | 99.26 |
| 0695 Mitragynine | 97.40 | 97.55 | 97.97 | 98.93 | 90.26 | 98.62 | 98.63 | 93.73 | 94.23 | 96.38 | 96.13 | 98.91 | 98.38 |
| 0696 Pholcodine | 95.65 | 97.99 | 94.52 | 91.43 | 94.31 | 97.12 | 97.94 | 98.61 | 97.88 | 96.54 | 92.78 | 98.29 | 98.04 |
| 0701 Acetylmethadol | 99.65 | 99.67 | 99.83 | 99.81 | 99.81 | 99.73 | 98.99 | 99.89 | 99.70 | 99.93 | 99.79 | 99.85 | 99.23 |

Anexo 2a. Cont.

| Nombre* | ΔP% ^a | ΔP% ^b | ΔP% ^c | ΔP% ^d | ΔP% ^e | ΔP% ^f | ΔP% ^g | ΔP% ^h | ΔP% ⁱ | ΔP% ^j | ΔP% ^k | ΔP% ^l | ΔP% ^m |
|-----------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 0705 Pipramadol | 84.06 | 74.87 | 90.80 | 85.05 | 85.83 | 86.47 | 93.26 | 88.56 | 84.00 | 75.25 | 81.38 | 86.60 | 84.31 |
| 0706 Zenazocene Mesylate | 94.17 | 96.74 | 97.49 | 98.62 | 97.03 | 96.16 | 93.78 | 98.58 | 98.59 | 93.05 | 93.16 | 98.31 | 93.95 |
| 0708 Octotiamine | 8.50 | -59.06 | -63.39 | 29.49 | -42.79 | -72.73 | 81.67 | -57.59 | -49.73 | -21.50 | 2.52 | -69.60 | -34.53 |
| 0709 Nicafenine | 99.93 | 99.70 | 99.60 | 99.56 | 99.88 | 99.94 | 99.88 | 99.49 | 99.30 | 99.91 | 99.95 | 99.22 | 99.96 |
| 0712 Nicocodine | 99.91 | 99.94 | 99.91 | 99.86 | 99.91 | 99.91 | 99.89 | 99.82 | 99.87 | 99.80 | 99.64 | 99.84 | 99.94 |
| 0713 Benzylmorphine Hydrochloride | 99.92 | 99.96 | 99.93 | 99.90 | 99.90 | 99.94 | 99.90 | 99.87 | 99.92 | 99.75 | 99.55 | 99.83 | 99.93 |
| 0715 Levophenacylmorphan | 99.94 | 99.97 | 99.95 | 99.95 | 99.95 | 99.96 | 99.92 | 99.97 | 99.96 | 99.85 | 99.83 | 99.92 | 99.92 |
| 0719 ID-1229 | 99.81 | 99.92 | 99.91 | 99.90 | 99.85 | 99.87 | 99.80 | 99.94 | 99.91 | 99.52 | 99.50 | 99.87 | 99.71 |
| 0724 Phenomorphan | 99.93 | 99.97 | 99.96 | 99.96 | 99.93 | 99.96 | 99.90 | 99.98 | 99.97 | 99.77 | 99.78 | 99.94 | 99.87 |
| 0729 Demethylmolamide | 99.82 | 99.74 | 99.60 | 99.27 | 99.75 | 99.86 | 99.83 | 99.96 | 99.71 | 99.85 | 99.89 | 99.88 | 99.82 |
| 0730 Carfentanil Citrate | 99.82 | 99.82 | 99.91 | 99.81 | 99.89 | 99.82 | 99.87 | 99.90 | 99.63 | 99.91 | 99.89 | 99.82 | 99.75 |
| 0732 Harpagoside | 76.42 | 58.53 | 84.66 | 42.40 | 68.72 | 46.04 | 73.02 | 78.02 | 26.72 | 49.32 | 66.43 | -15.35 | 31.69 |
| 0740 Pipanone | 99.84 | 99.90 | 99.86 | 99.85 | 99.83 | 99.90 | 99.85 | 99.95 | 99.91 | 99.90 | 99.86 | 99.91 | 99.78 |
| 0742 Famprofazone | 99.70 | 99.86 | 99.90 | 99.93 | 99.87 | 99.77 | 99.62 | 99.88 | 99.67 | 99.63 | 99.24 | 99.84 | 99.63 |
| 0745 MT-45 | 99.84 | 99.89 | 99.88 | 99.69 | 99.86 | 99.89 | 99.80 | 99.92 | 99.79 | 99.75 | 99.65 | 99.77 | 99.80 |
| 0756 Pipradimadol | 83.09 | 71.87 | 91.57 | 88.42 | 83.85 | 85.03 | 95.20 | 86.71 | 87.03 | 76.76 | 88.17 | 87.86 | 86.55 |
| 0758 Fendosal | 99.99 | 99.99 | 99.98 | 100.00 | 99.99 | 100.00 | 99.99 | 99.99 | 100.00 | 99.99 | 100.00 | 99.97 | 99.99 |
| 0760 Glucametacin | 85.42 | 77.26 | 88.04 | 89.22 | 89.30 | 86.14 | 94.26 | 88.53 | 92.34 | 95.16 | 97.06 | 86.93 | 78.23 |
| 0762 Bisfenazone | 99.72 | 99.90 | 99.93 | 99.95 | 99.78 | 99.72 | 99.83 | 99.88 | 99.60 | 99.68 | 99.69 | 99.74 | 99.74 |
| 0765 Salprotoside | 95.48 | 95.82 | 94.94 | 76.57 | 88.60 | 95.01 | 92.61 | 95.66 | 80.99 | 84.70 | 93.66 | 63.16 | 93.53 |
| 0769 Ethyl Narceinate | 92.65 | 98.70 | 96.08 | 98.67 | 89.60 | 96.13 | 94.46 | 94.39 | 97.52 | 95.73 | 89.79 | 99.13 | 94.74 |
| 0774 Lofentanil Oxalate | 99.82 | 99.84 | 99.93 | 99.87 | 99.89 | 99.83 | 99.88 | 99.91 | 99.65 | 99.92 | 99.88 | 99.85 | 99.76 |
| 0777 Etorphine Hydrochloride | 96.87 | 98.55 | 98.65 | 99.04 | 97.63 | 98.21 | 97.26 | 98.72 | 98.59 | 96.54 | 95.71 | 98.99 | 97.82 |
| 0778 Detramidione | 99.32 | 99.28 | 99.43 | 98.76 | 99.23 | 99.37 | 98.30 | 98.90 | 98.13 | 96.79 | 97.44 | 98.07 | 99.43 |
| 0784 Bentiamine | 99.96 | 99.88 | 99.91 | 99.91 | 99.94 | 99.87 | 99.96 | 99.84 | 99.67 | 99.82 | 99.91 | 99.53 | 99.90 |
| 0785 DU-608 | 99.95 | 99.95 | 99.96 | 99.92 | 99.96 | 99.96 | 99.87 | 99.89 | 99.82 | 99.80 | 99.70 | 99.89 | 99.93 |
| 0806 talmetacin | 100.00 | 99.98 | 99.99 | 99.99 | 100.00 | 100.00 | 99.98 | 99.99 | 99.99 | 99.99 | 99.99 | 99.97 | 99.99 |
| 0812 Allethorphine | 98.71 | 99.36 | 99.30 | 99.48 | 98.94 | 99.24 | 98.98 | 99.54 | 99.45 | 98.45 | 98.46 | 99.35 | 99.19 |
| 0813 Nantradol Hydrochloride | 99.47 | 99.74 | 99.59 | 99.72 | 99.56 | 99.59 | 99.05 | 99.94 | 99.84 | 99.90 | 99.77 | 99.79 | 98.95 |
| 0814 Acetorphine Hydrochloride | 98.71 | 99.38 | 99.55 | 99.73 | 99.42 | 99.09 | 98.79 | 99.86 | 99.75 | 99.80 | 99.53 | 99.78 | 98.83 |

Anexo 2a. Cont.

| Nombre* | ΔP% ^a | ΔP% ^b | ΔP% ^c | ΔP% ^d | ΔP% ^e | ΔP% ^f | ΔP% ^g | ΔP% ^h | ΔP% ⁱ | ΔP% ^j | ΔP% ^k | ΔP% ^l | ΔP% ^m |
|-----------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 0829 Indometacintropic Acid Ester | 99.99 | 99.98 | 99.99 | 99.99 | 99.99 | 99.99 | 99.98 | 99.99 | 99.99 | 99.99 | 99.99 | 99.98 | 99.98 |
| 0832 A-41988 | 99.94 | 99.98 | 99.96 | 99.99 | 99.95 | 99.97 | 99.96 | 99.99 | 99.99 | 99.90 | 99.79 | 99.98 | 99.95 |
| 0837 Carbifene Hydrochloride | 99.97 | 99.98 | 99.98 | 99.97 | 99.98 | 99.98 | 99.95 | 99.97 | 99.93 | 99.99 | 99.97 | 99.97 | 99.97 |
| 0845 Homprenorphine | 99.02 | 99.64 | 99.72 | 99.69 | 99.27 | 99.37 | 99.55 | 99.72 | 99.69 | 99.52 | 99.14 | 99.85 | 99.28 |
| 0847 Simetride | 97.79 | 99.72 | 99.79 | 99.42 | 97.60 | 98.71 | 99.42 | 99.87 | 99.70 | 98.90 | 99.05 | 99.86 | 99.09 |
| 0856 SC-17599 | 95.72 | 99.42 | 99.72 | 99.80 | 97.69 | 97.33 | 98.94 | 99.82 | 99.90 | 99.89 | 99.27 | 99.78 | 94.62 |
| 0857 Nicomorphine | 100.00 | 100.00 | 99.99 | 99.99 | 100.00 | 100.00 | 99.99 | 99.98 | 99.99 | 99.98 | 99.97 | 99.95 | 100.00 |
| 0872 Buprenorphine | 98.84 | 98.80 | 99.35 | 99.41 | 99.72 | 99.02 | 97.37 | 98.23 | 98.26 | 95.21 | 93.93 | 98.58 | 99.10 |
| 0875 Barverinum Citricum | 96.09 | 87.98 | 86.93 | 94.49 | 84.05 | 95.04 | 99.23 | 98.70 | 98.85 | 95.73 | 95.63 | 96.45 | 98.86 |
| 0877 Antrafenine | 99.96 | 99.88 | 99.92 | 99.70 | 99.99 | 99.97 | 99.71 | 99.88 | 99.85 | 99.81 | 99.89 | 99.92 | 99.59 |
| 0878 Centchromane | 99.98 | 99.99 | 99.99 | 99.98 | 99.98 | 99.99 | 99.98 | 99.98 | 99.99 | 100.00 | 99.99 | 99.98 | 99.98 |
| 0884 Bezitramide | 100.00 | 99.99 | 99.99 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 99.99 | 100.00 |
| 0899 Ketoprofen Hydroxyzine Ester | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| 0903 Menabitan Hydrochloride | 99.41 | 99.78 | 99.63 | 99.95 | 99.73 | 99.77 | 99.68 | 99.95 | 99.97 | 99.85 | 99.61 | 99.93 | 99.73 |
| 0907 Myrophine | 99.98 | 99.99 | 99.98 | 99.97 | 99.97 | 99.99 | 99.97 | 99.99 | 99.98 | 99.97 | 99.93 | 99.96 | 99.98 |
| 0921 Olpimedone | 35.71 | -28.74 | -24.85 | -4.59 | -29.85 | -18.19 | 11.81 | 11.66 | -12.96 | -50.00 | -11.20 | -19.00 | -7.03 |
| 0924 Clidafidine | -5.74 | -29.88 | -39.05 | -20.29 | -14.15 | 13.43 | -19.03 | -8.10 | -11.78 | -2.85 | 9.16 | 28.90 | 4.77 |
| 0926 Zoliprofen | 94.71 | 87.16 | 85.63 | 86.20 | 89.99 | 86.58 | 87.97 | 83.16 | 79.60 | 85.88 | 90.36 | 76.92 | 85.08 |
| 0934 Propacetamol | 49.32 | 50.79 | 66.96 | 62.32 | 72.45 | 53.94 | 28.55 | 92.59 | 58.58 | 85.60 | 83.29 | 65.14 | 49.52 |
| 0936 MR- 714 | 94.52 | 97.52 | 97.63 | 92.58 | 93.46 | 96.26 | 97.06 | 95.09 | 97.00 | 97.33 | 96.38 | 96.02 | 94.76 |
| 0944 Anitolac | 97.51 | 98.39 | 98.20 | 97.24 | 97.70 | 97.98 | 97.19 | 96.78 | 97.89 | 97.16 | 97.96 | 96.79 | 97.00 |
| 0946 Tazadolene Succinate | 97.74 | 98.26 | 97.46 | 96.66 | 97.08 | 98.35 | 97.73 | 99.21 | 98.52 | 97.36 | 97.22 | 98.66 | 97.14 |
| 0947 Swertiamanin | -88.05 | -93.17 | -86.83 | -95.38 | -97.73 | -95.04 | -78.11 | -88.07 | -93.39 | -96.23 | -86.90 | -97.02 | -94.97 |
| 0948 Arphamenine A | -77.67 | -87.36 | -60.89 | -56.41 | -30.26 | -78.85 | -57.55 | -57.72 | -85.77 | -41.39 | 46.21 | -73.61 | -75.52 |
| 0950 Oxindanae | 98.97 | 99.33 | 98.69 | 98.94 | 98.09 | 99.56 | 99.28 | 99.10 | 99.57 | 99.16 | 99.57 | 98.63 | 99.17 |
| 0952 Butinazocine | 94.89 | 95.33 | 94.83 | 98.14 | 95.05 | 96.32 | 95.05 | 94.80 | 97.02 | 89.15 | 90.28 | 95.31 | 95.28 |
| 0953 Compound ISIV | 99.39 | 99.68 | 99.77 | 99.57 | 99.55 | 99.43 | 99.58 | 99.30 | 99.26 | 99.36 | 99.04 | 99.22 | 99.45 |
| 0957 Dizatrifone | 99.14 | 99.07 | 99.05 | 98.66 | 98.47 | 99.33 | 99.01 | 97.85 | 98.73 | 97.99 | 98.28 | 98.96 | 99.06 |
| 0959 CP - 47497 | 74.72 | 88.71 | 78.45 | 87.04 | 74.28 | 86.54 | 48.16 | 88.94 | 91.94 | 64.45 | 49.25 | 91.73 | 55.91 |
| 0967 Mefentanyl | 99.65 | 99.68 | 99.85 | 99.64 | 99.57 | 99.65 | 99.83 | 99.89 | 99.83 | 99.91 | 99.88 | 99.77 | 99.65 |

Anexo 2a. Cont.

| Nombre* | ΔP% ^a | ΔP% ^b | ΔP% ^c | ΔP% ^d | ΔP% ^e | ΔP% ^f | ΔP% ^g | ΔP% ^h | ΔP% ⁱ | ΔP% ^j | ΔP% ^k | ΔP% ^l | ΔP% ^m |
|--------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 0975 Lobuprofен | 99.40 | 99.16 | 99.50 | 99.37 | 99.68 | 99.50 | 98.68 | 99.81 | 99.49 | 99.55 | 99.55 | 99.75 | 99.33 |
| 0976 Quadazocine Mesilate | 97.62 | 98.56 | 98.28 | 98.52 | 98.03 | 98.42 | 97.87 | 99.12 | 99.10 | 97.59 | 96.41 | 98.54 | 97.57 |
| 0988 Meperidinia Acid | 81.73 | 83.85 | 80.08 | 76.29 | 84.08 | 87.74 | 77.01 | 81.94 | 82.67 | 81.13 | 77.40 | 88.49 | 78.28 |
| 0989 Dimethylthiambutene | 95.91 | 86.40 | 76.53 | 82.06 | 88.23 | 83.49 | 83.99 | 74.01 | 80.69 | 86.69 | 72.82 | 83.35 | 76.77 |
| 0990 Normeperidine | 86.60 | 85.66 | 86.39 | 80.15 | 78.14 | 83.17 | 86.83 | 94.22 | 82.13 | 93.99 | 95.45 | 93.54 | 72.60 |
| 0992 Metazocine | 87.55 | 92.41 | 92.74 | 94.56 | 89.90 | 92.18 | 87.41 | 94.79 | 94.55 | 79.95 | 72.96 | 96.10 | 85.56 |
| 0993 Pethidine Hydrochloride | 89.75 | 88.31 | 89.97 | 84.04 | 88.71 | 90.78 | 87.34 | 95.04 | 86.45 | 94.93 | 93.66 | 95.18 | 85.93 |
| 0994 Isopethidine | 88.50 | 86.02 | 86.19 | 84.74 | 82.65 | 89.28 | 87.07 | 93.97 | 85.95 | 93.48 | 94.62 | 93.93 | 86.45 |
| 0996 Hydropethidine | 77.51 | 74.34 | 74.71 | 67.92 | 74.26 | 80.87 | 70.45 | 86.78 | 67.64 | 81.78 | 81.59 | 86.80 | 73.13 |
| 0997 LY - 27372 | 73.03 | 81.13 | 76.16 | 76.82 | 73.00 | 81.81 | 53.56 | 76.02 | 78.24 | 50.09 | 30.50 | 84.40 | 67.74 |
| 0998 Normorphine | 90.92 | 94.57 | 87.62 | 89.91 | 79.15 | 92.80 | 93.60 | 92.49 | 92.31 | 84.31 | 83.29 | 89.02 | 92.53 |
| 0999 Norlevorphanol | 97.36 | 98.11 | 97.34 | 97.85 | 96.27 | 97.93 | 96.73 | 97.85 | 97.37 | 93.32 | 93.52 | 97.15 | 95.51 |
| 1000 Levorphanol | 95.23 | 97.34 | 95.72 | 96.67 | 94.94 | 97.30 | 94.56 | 98.04 | 97.81 | 90.12 | 88.05 | 98.06 | 94.16 |
| 1002 Properidine | 89.31 | 86.97 | 88.26 | 84.18 | 91.15 | 89.67 | 82.50 | 95.90 | 86.16 | 95.60 | 93.34 | 94.23 | 86.24 |
| 1003 Acetiamine | 48.56 | 16.52 | 36.28 | 73.77 | 59.89 | -1.76 | 80.37 | 84.21 | 65.15 | 78.93 | 79.25 | 52.30 | 24.40 |
| 1006 Amtolmetin Guacil | 99.87 | 99.90 | 99.94 | 99.92 | 99.93 | 99.82 | 99.89 | 99.93 | 99.82 | 99.92 | 99.92 | 99.85 | 99.85 |
| 1008 Benzpiperylon | 99.38 | 99.07 | 99.09 | 98.01 | 98.67 | 99.32 | 99.10 | 97.48 | 96.82 | 98.69 | 98.67 | 97.87 | 99.60 |
| 1010 Bromfenac | 98.06 | 96.21 | 97.44 | 98.42 | 99.12 | 97.89 | 95.19 | 97.46 | 98.42 | 98.93 | 98.89 | 92.70 | 98.12 |
| 1015 Gentisic Acid | -1.61 | 17.25 | -24.60 | -11.46 | -21.75 | 25.28 | -29.43 | -11.78 | -8.70 | -52.48 | -47.16 | -31.95 | -18.97 |
| 1021 Mofezolac | 98.57 | 99.26 | 99.21 | 99.20 | 97.97 | 99.10 | 98.49 | 97.83 | 99.03 | 99.05 | 98.88 | 99.03 | 98.45 |
| 1023 Morpholine | -85.55 | -87.64 | -91.29 | -95.82 | -93.13 | -89.86 | -76.16 | -86.57 | -87.99 | -76.49 | -82.05 | -88.20 | -88.53 |
| 1030 Salicylamide O- Acetic Acid | -9.04 | 26.85 | 0.87 | 7.51 | 8.11 | 18.86 | -0.95 | 25.17 | 24.42 | 54.95 | 44.82 | 26.25 | 6.47 |
| 1031 Meperidine | 85.46 | 86.80 | 87.26 | 79.53 | 79.59 | 88.03 | 88.96 | 94.56 | 89.03 | 96.12 | 95.53 | 95.19 | 83.53 |
| 1032 Salicylsulfuric Acid | -76.95 | -13.76 | -69.60 | -3.75 | -76.59 | 5.72 | -89.49 | -64.36 | -46.52 | -56.93 | -72.56 | -67.89 | -60.77 |
| 1037 Xenbucin | 99.36 | 99.40 | 99.54 | 99.50 | 99.40 | 99.65 | 98.99 | 99.65 | 99.51 | 99.52 | 99.67 | 99.48 | 98.81 |
| 1040 Hydrocodone | 96.06 | 98.56 | 97.45 | 97.00 | 95.52 | 97.19 | 98.26 | 98.86 | 98.85 | 97.64 | 96.19 | 99.03 | 97.78 |
| 1042 Aluminum Bis(acetylsalicylate) | 99.04 | 99.38 | 97.55 | 99.52 | 99.32 | 99.19 | 86.15 | 99.73 | 97.74 | 99.78 | 99.66 | 98.63 | 96.69 |
| 1043 Dihydrocodeinone Enol Acetato | 98.39 | 99.22 | 99.06 | 99.10 | 98.67 | 98.69 | 98.96 | 99.66 | 99.49 | 99.53 | 98.99 | 99.57 | 98.72 |
| 1045 p - Bromoacetanilide | 19.69 | -11.20 | 26.11 | 40.80 | 51.26 | 7.54 | -40.41 | 47.65 | 28.93 | 69.75 | 55.02 | 4.81 | 21.61 |

Anexo 2a. Cont.

| Nombre* | ΔP% ¹ | ΔP% ² | ΔP% ³ | ΔP% ⁴ | ΔP% ⁵ | ΔP% ⁶ | ΔP% ⁷ | ΔP% ⁸ | ΔP% ⁹ | ΔP% ¹⁰ | ΔP% ¹¹ | ΔP% ¹² | ΔP% ¹³ |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|
| 1046 Dextromoramide | 98.69 | 98.45 | 97.85 | 96.47 | 99.07 | 98.94 | 97.79 | 99.75 | 97.11 | 97.55 | 97.47 | 99.43 | 98.30 |
| 1047 Capsaicin | 63.05 | 83.61 | 83.35 | 81.36 | 55.14 | 72.37 | 70.83 | 82.02 | 65.97 | 65.68 | 71.05 | 84.28 | 53.77 |
| 1050 Crotethamide | -37.98 | -38.91 | 12.83 | -8.01 | -26.04 | -30.78 | 4.03 | 2.66 | -43.26 | -23.82 | 9.25 | 0.98 | -18.86 |
| 1051 dihydroxyaluminum Acetylsalicylate | 25.50 | 79.52 | 15.07 | 65.90 | 37.39 | 44.06 | -23.84 | 63.87 | 86.01 | 77.83 | 67.61 | 72.71 | -4.19 |
| 1053 Dipyrone | 19.54 | 77.11 | 77.07 | 65.49 | 73.26 | 46.65 | -10.88 | 61.37 | 4.18 | 42.92 | -13.05 | -2.27 | 54.56 |
| 1055 Tetrandrine | 99.99 | 100.00 | 100.00 | 100.00 | 99.99 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| 1056 Fluresone | 8.58 | -15.03 | 27.22 | -45.51 | 43.49 | -61.05 | 81.10 | 13.53 | 18.46 | 48.50 | 0.51 | -24.84 | -47.05 |
| 1058 Medetomidine | 93.70 | 97.33 | 97.46 | 98.34 | 93.58 | 96.01 | 95.90 | 98.00 | 97.84 | 89.39 | 91.70 | 97.48 | 90.56 |
| 1060 5-Nitro - 2 - propoxyacetanilide | 5.46 | 26.18 | 17.51 | -4.05 | -5.19 | 2.69 | -48.62 | -9.32 | 1.06 | -1.07 | -26.59 | 12.36 | -9.36 |
| 1063 triethanolamine | -97.64 | -96.42 | -98.27 | -98.44 | -98.54 | -97.54 | -96.90 | -98.05 | -96.76 | -97.11 | -97.95 | -98.44 | -98.72 |

*Las estructuras de los compuestos se encuentran en el Anexo 1. ΔP%^{a,b,c,d,e,f,g,h,i,j,k,l,m} las letras a-m representan los modelos discriminantes 4.1 a 4.13 respectivamente.

[Anexos](#)

Anexo 2b. Resultados de la clasificación de los compuestos inactivos en la SE

| Nombre | ΔP% ^a | ΔP% ^b | ΔP% ^c | ΔP% ^d | ΔP% ^e | ΔP% ^f | ΔP% ^g | ΔP% ^h | ΔP% ⁱ | ΔP% ^j | ΔP% ^k | ΔP% ^l | ΔP% ^m |
|-------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 3-Epistostatin B | -94.76 | -96.43 | -94.62 | -95.02 | -93.57 | -95.78 | -91.74 | -89.49 | -93.68 | -91.03 | -74.13 | -96.66 | -96.08 |
| PALA | -98.28 | -97.33 | -97.51 | -88.77 | -96.86 | -86.95 | -99.52 | -93.76 | -92.85 | -98.43 | -98.23 | -98.68 | -99.40 |
| EICAR | -95.73 | -95.45 | -97.63 | -98.78 | -97.26 | -96.92 | -95.40 | -97.71 | -98.36 | -96.58 | -94.40 | -98.39 | -95.44 |
| Mizoribine | -97.97 | -97.03 | -98.42 | -98.88 | -98.79 | -97.79 | -97.53 | -97.72 | -97.59 | -99.20 | -98.23 | -98.35 | -97.76 |
| Thiacetazone | -64.37 | -95.33 | -79.30 | -11.73 | 10.44 | -90.06 | -25.45 | -42.80 | -96.60 | 19.37 | -4.96 | -60.37 | -52.95 |
| 2- Azamizoribine | -99.31 | -98.32 | -99.18 | -99.47 | -99.77 | -99.37 | -99.32 | -99.42 | -99.30 | -99.88 | -99.77 | -99.48 | -99.10 |
| 2- fluoroNpcA | -85.71 | -73.38 | -89.38 | -91.38 | -92.44 | -81.21 | -86.06 | -92.83 | -84.87 | -98.10 | -98.78 | -88.98 | -91.67 |
| 2- chloroNpcA | -89.00 | -86.54 | -93.82 | -91.12 | -92.36 | -82.28 | -91.86 | -94.71 | -90.30 | -97.53 | -97.95 | -91.60 | -88.55 |
| ZDPFA | -85.17 | -83.69 | -88.10 | -97.15 | -92.83 | -86.22 | -72.28 | -83.01 | -91.39 | -95.77 | -94.97 | -87.88 | -81.49 |
| Ribavirin | -99.04 | -98.57 | -99.11 | -99.56 | -99.18 | -99.30 | -98.55 | -98.89 | -99.30 | -99.27 | -98.88 | -99.57 | -98.48 |
| BL-1743 | -15.50 | -13.22 | -28.81 | -24.07 | -29.93 | -4.60 | 21.46 | -24.04 | -6.31 | -35.96 | -12.23 | -16.29 | 2.64 |
| Foscarnet | -97.92 | -94.09 | -95.04 | -98.87 | -97.77 | -95.38 | -98.83 | -93.84 | -94.05 | -99.17 | -99.37 | -96.74 | -98.38 |
| Dimepranol | -94.80 | -96.44 | -96.73 | -96.91 | -94.26 | -94.64 | -94.59 | -98.60 | -95.62 | -96.03 | -95.99 | -97.50 | -93.57 |
| LK-274 | -97.03 | -96.84 | -95.08 | -93.79 | -87.98 | -96.22 | -98.56 | -90.06 | -97.44 | -88.86 | -81.10 | -98.54 | -95.32 |
| Riodoxol | -99.41 | -97.65 | -98.19 | -79.42 | -88.42 | -98.52 | -99.85 | -90.36 | -78.66 | -85.09 | -85.81 | -99.68 | -92.95 |
| IMPY | -39.45 | -38.96 | -45.54 | -60.24 | -53.93 | -48.33 | -31.36 | -44.55 | -50.55 | -57.24 | -57.03 | -42.89 | -30.92 |
| Ethoxene | -69.44 | -71.71 | -77.79 | -87.37 | -75.09 | -67.26 | -55.38 | -55.83 | -66.03 | -65.78 | -78.00 | -62.81 | -64.32 |
| Ketoxyal | -94.69 | -84.05 | -82.68 | -92.11 | -95.56 | -92.79 | -84.37 | -76.03 | -74.32 | -82.87 | -84.34 | -90.29 | -94.74 |
| Citenazone | -89.35 | -98.92 | -98.47 | -77.24 | -77.13 | -97.82 | -65.60 | -95.52 | -99.09 | -79.36 | -82.30 | -91.79 | -88.74 |
| Aciclovir | -92.97 | -92.96 | -98.28 | -93.24 | -97.21 | -88.91 | -96.60 | -97.93 | -94.69 | -98.02 | -96.69 | -92.99 | -95.41 |
| AIDU | -99.55 | -98.90 | -99.12 | -93.78 | -96.49 | -98.27 | -99.49 | -98.49 | -97.20 | -98.49 | -93.66 | -99.08 | -93.87 |
| RS-21592 | -96.33 | -95.78 | -99.05 | -97.17 | -98.67 | -94.82 | -97.50 | -99.26 | -96.77 | -98.97 | -97.84 | -96.54 | -97.91 |
| SKF-23880 A | -86.32 | -90.14 | -91.47 | -93.98 | -90.08 | -87.58 | -80.89 | -77.81 | -87.45 | -77.75 | -83.23 | -79.67 | -89.26 |
| Carbodine | -88.91 | -95.39 | -95.33 | -93.67 | -97.51 | -93.24 | -94.11 | -96.05 | -96.16 | -98.81 | -95.03 | -96.57 | -95.50 |
| Zalcitabine | -50.17 | -74.97 | -80.32 | -65.49 | -84.94 | -60.60 | -77.04 | -82.40 | -73.87 | -92.90 | -75.58 | -82.07 | -75.63 |
| Valaciclovir | -95.06 | -98.20 | -98.64 | -97.11 | -97.62 | -95.41 | -95.93 | -97.44 | -98.77 | -97.83 | -95.99 | -97.07 | -96.00 |
| Penciclovir | -94.29 | -93.15 | -98.64 | -95.77 | -97.36 | -91.08 | -96.72 | -99.34 | -94.16 | -98.95 | -97.88 | -95.87 | -96.56 |
| Moroxidine | -99.38 | -99.25 | -99.06 | -98.10 | -98.10 | -98.55 | -98.84 | -98.46 | -99.20 | -99.58 | -98.36 | -98.76 | -98.61 |
| Cloral betaine | -98.49 | -98.34 | -99.32 | -96.08 | -96.87 | -98.60 | -90.66 | -96.49 | -97.04 | -97.66 | -98.01 | -96.23 | -97.44 |
| Calcii bromoaminoacetas | -99.83 | -99.70 | -98.40 | -97.51 | -97.12 | -98.97 | -96.95 | -95.77 | -98.25 | -95.22 | -95.01 | -98.48 | -97.78 |

Anexo 2b. Cont.

| Nombre | ΔP% ^a | ΔP% ^b | ΔP% ^c | ΔP% ^d | ΔP% ^e | ΔP% ^f | ΔP% ^g | ΔP% ^h | ΔP% ⁱ | ΔP% ^j | ΔP% ^k | ΔP% ^l | ΔP% ^m |
|---------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Triclofos | -99.38 | -98.81 | -99.68 | -98.68 | -96.49 | -96.41 | -99.17 | -97.65 | -96.38 | -98.22 | -98.64 | -97.96 | -97.94 |
| Trichlorourethan | -97.65 | -98.79 | -99.51 | -92.63 | -90.59 | -97.64 | -85.61 | -96.30 | -97.59 | -96.43 | -94.08 | -97.51 | -94.78 |
| Thiourethane | -93.55 | -97.76 | -96.33 | -91.64 | -92.84 | -98.56 | -88.45 | -94.15 | -97.35 | -95.03 | -93.28 | -94.21 | -96.40 |
| Urethane | -93.31 | -90.36 | -89.89 | -91.03 | -91.41 | -89.43 | -92.61 | -88.45 | -85.03 | -94.29 | -81.60 | -90.96 | -93.77 |
| Etiron | -98.47 | -99.40 | -98.76 | -94.68 | -95.90 | -99.15 | -95.68 | -97.51 | -99.27 | -98.59 | -97.03 | -97.19 | -98.38 |
| Bromobutanol | -97.79 | -99.40 | -98.69 | -96.59 | -92.21 | -99.04 | 24.68 | -98.86 | -98.82 | -95.02 | -93.10 | -99.73 | -92.26 |
| Agr 449 | -88.88 | -86.40 | -90.25 | -91.50 | -89.25 | -86.33 | -88.14 | -82.09 | -78.10 | -87.47 | -82.57 | -89.62 | -93.77 |
| Sedanfactor Solucion | -94.36 | -95.40 | -95.49 | -96.00 | -94.21 | -95.42 | -94.17 | -94.40 | -93.01 | -92.20 | -88.67 | -95.49 | -96.36 |
| Cloretate | -95.54 | -99.61 | -99.90 | -86.36 | -72.13 | -97.83 | -56.19 | -96.76 | -99.22 | -95.18 | -94.91 | -98.46 | -87.62 |
| Alcabrol | -96.30 | -94.07 | -86.74 | -91.39 | -87.03 | -85.03 | -69.93 | -85.52 | -77.55 | -94.62 | -92.65 | -93.00 | -87.28 |
| Valerium Paul Thibault | -80.10 | -73.70 | -77.36 | -81.08 | -79.99 | -71.51 | -81.57 | -66.34 | -61.17 | -86.98 | -77.06 | -78.22 | -85.61 |
| Nitroinosite | -98.48 | -96.40 | -96.71 | -99.88 | -99.92 | -98.99 | -99.99 | -99.95 | -99.99 | -100.0 | -100.0 | -99.63 | -98.02 |
| Ferriscorbone magnesienne | -97.78 | -93.87 | -95.50 | -98.23 | -98.69 | -97.69 | -96.85 | -94.74 | -92.23 | -99.04 | -98.79 | -97.88 | -97.04 |
| Bason | -64.70 | -70.27 | -60.63 | -55.13 | -78.42 | -79.24 | -76.46 | -38.09 | -0.30 | -60.52 | -73.27 | -7.72 | -80.26 |
| Methylpentynol | -43.20 | -36.52 | -31.85 | -29.17 | -43.61 | -36.11 | -37.79 | 1.30 | 1.48 | -26.32 | -52.36 | 26.47 | -56.17 |
| Bromisoval | -99.12 | -98.55 | -96.33 | -95.18 | -94.65 | -95.93 | -95.32 | -98.13 | -95.45 | -99.48 | -98.06 | -98.26 | -95.35 |
| Carbromide | -98.31 | -96.90 | -92.81 | -90.78 | -93.42 | -94.53 | -6.79 | -75.27 | -81.43 | -91.37 | -80.94 | -86.67 | -92.92 |
| Baldrianol | -96.13 | -95.62 | -95.13 | -91.06 | -90.18 | -93.27 | -97.70 | -98.06 | -93.22 | -99.11 | -96.93 | -96.54 | -94.69 |
| Paraldehyde | -67.99 | -65.33 | -54.83 | -76.69 | -71.66 | -68.59 | -62.32 | -55.36 | -37.88 | -6.38 | -19.32 | -77.59 | -82.33 |
| Aponal | -93.67 | -91.76 | -89.23 | -87.22 | -84.19 | -90.57 | -95.17 | -96.43 | -82.93 | -92.19 | -91.10 | -94.38 | -93.05 |
| Amylurea | -97.24 | -95.53 | -96.40 | -95.63 | -96.07 | -95.47 | -96.65 | -97.84 | -94.32 | -98.01 | -95.27 | -97.26 | -96.64 |
| Gallobromolum | -95.38 | -88.63 | -95.04 | -87.72 | -96.12 | -88.34 | -98.37 | -87.44 | -86.88 | -97.44 | -94.89 | -95.82 | -89.73 |
| Pentrichloral | -98.30 | -99.26 | -99.64 | -99.33 | -98.08 | -98.81 | -88.13 | -98.66 | -98.48 | -97.82 | -96.14 | -98.85 | -95.09 |
| Mepentamate | -62.79 | -43.20 | -40.86 | -17.90 | -41.96 | -44.02 | -47.94 | -19.64 | 12.10 | 20.97 | 21.34 | 48.51 | -63.43 |
| Ectylurea | -87.60 | -71.17 | -60.55 | -34.09 | -81.87 | -74.50 | -77.27 | -68.15 | -59.96 | -88.30 | -64.51 | -47.17 | -85.73 |
| Trimethadione | -47.06 | -77.09 | -52.07 | -58.01 | -54.82 | -56.40 | -29.14 | -62.61 | -60.09 | -40.84 | -13.65 | -59.09 | -33.34 |
| SOG-18 | -87.97 | -93.92 | -93.66 | -94.29 | -91.25 | -92.65 | -93.59 | -95.56 | -96.51 | -95.52 | -91.10 | -94.47 | -86.20 |
| Zonisamide | -14.02 | -6.95 | -23.01 | -40.31 | -44.27 | -17.92 | -1.08 | -65.10 | -4.16 | -37.34 | -56.71 | -63.80 | -32.35 |
| Acide valproïque | -77.50 | -63.96 | -66.44 | -73.42 | -80.33 | -64.15 | -75.63 | -58.03 | -53.66 | -89.25 | -74.03 | -69.87 | -83.16 |
| Valpromide | -90.30 | -82.53 | -81.56 | -83.93 | -89.32 | -84.06 | -86.00 | -76.47 | -80.75 | -91.51 | -80.52 | -82.27 | -89.99 |

Anexo 2b. Cont.

| Nombre | ΔP% ^a | ΔP% ^b | ΔP% ^c | ΔP% ^d | ΔP% ^e | ΔP% ^f | ΔP% ^g | ΔP% ^h | ΔP% ⁱ | ΔP% ^j | ΔP% ^k | ΔP% ^l | ΔP% ^m |
|-------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Tetharbital | -45.94 | -60.09 | -31.91 | 5.89 | -85.33 | -37.59 | -24.07 | -35.40 | -64.46 | -85.09 | -10.50 | -20.89 | -48.24 |
| UK-17022 | -93.40 | -98.66 | -97.64 | -90.51 | -81.23 | -99.39 | -73.98 | -91.55 | -87.84 | -61.18 | -73.74 | -94.80 | -96.60 |
| Beclamide | 62.44 | 55.89 | 58.90 | 51.52 | 52.81 | 68.31 | 60.93 | 68.62 | 36.31 | 72.67 | 74.38 | 64.45 | 51.11 |
| Sultiamide | -79.32 | -84.74 | -82.91 | -77.99 | -60.70 | -86.78 | 43.75 | -65.06 | -51.37 | -3.12 | -13.46 | -79.33 | -81.63 |
| Cinromide | 61.64 | 45.27 | 64.46 | 71.20 | 71.02 | 48.62 | 14.66 | 64.87 | 56.73 | 77.14 | 83.35 | 52.46 | 59.38 |
| Athotoxin | 85.94 | 77.67 | 81.67 | 76.66 | 79.86 | 86.07 | 73.76 | 87.53 | 65.14 | 79.66 | 87.84 | 80.91 | 78.86 |
| Fenaclon | 64.36 | 59.93 | 68.06 | 63.78 | 59.56 | 70.52 | 65.11 | 69.45 | 50.19 | 73.04 | 77.62 | 67.07 | 49.68 |
| NSD 3004 | -90.37 | -99.14 | -85.21 | -98.47 | -86.19 | -98.40 | -21.51 | -75.58 | -73.78 | -16.03 | -2.12 | -84.21 | -88.82 |
| Hexetal | -68.27 | -53.83 | -61.78 | -28.75 | -88.60 | -44.47 | -79.90 | -85.32 | -68.35 | -97.03 | -86.86 | -81.14 | -70.85 |
| Hierro Girard | -92.68 | -85.58 | -86.27 | -92.45 | -91.49 | -86.77 | -89.84 | -63.56 | -69.08 | -92.35 | -92.51 | -87.01 | -90.28 |
| Ferroglycine sulfate | -94.80 | -96.12 | -95.35 | -96.64 | -95.67 | -96.46 | -93.15 | -93.64 | -93.56 | -89.07 | -89.35 | -95.50 | -96.61 |
| Ferro-Drops | -92.59 | -91.57 | -89.49 | -93.43 | -92.75 | -91.28 | -86.35 | -83.13 | -83.00 | -83.92 | -82.66 | -90.93 | -94.10 |
| Ferrosi fumaras | -62.88 | -58.98 | -65.13 | -64.48 | -47.91 | -48.71 | -75.16 | -41.66 | -41.97 | -63.47 | -64.38 | -65.74 | -74.77 |
| Fertaron | -97.39 | -96.90 | -95.96 | -98.09 | -97.26 | -96.81 | -96.06 | -86.91 | -93.48 | -97.43 | -95.52 | -97.42 | -98.11 |
| Orotosan Fe | -72.00 | -75.60 | -81.99 | -68.87 | -64.92 | -58.63 | -89.20 | -72.45 | -77.80 | -89.53 | -86.18 | -81.99 | -79.90 |
| Cobalti besilas | -41.29 | -35.19 | -42.08 | -74.55 | -36.51 | -43.32 | -55.32 | -51.06 | -25.30 | -34.68 | -48.49 | -55.31 | -49.28 |
| Ferrosi ascorbas | -93.45 | -93.09 | -93.68 | -97.00 | -97.53 | -95.15 | -93.96 | -93.18 | -94.06 | -98.41 | -97.31 | -95.83 | -95.99 |
| Ferrocal | -94.76 | -95.56 | -93.37 | -92.74 | -84.04 | -91.92 | -96.51 | -78.55 | -85.13 | -95.51 | -91.93 | -95.63 | -96.51 |
| Sodium dipantoylferrate | -95.83 | -96.46 | -96.38 | -98.12 | -95.56 | -96.12 | -94.44 | -97.36 | -91.88 | -97.24 | -96.70 | -97.63 | -96.95 |
| Ferrogluconat | -99.55 | -99.53 | -99.43 | -99.77 | -99.70 | -99.66 | -99.10 | -99.03 | -99.28 | -99.66 | -99.28 | -99.81 | -99.82 |
| Glucofer | -99.69 | -98.51 | -99.71 | -99.73 | -99.86 | -99.80 | -99.75 | -99.27 | -92.93 | -99.86 | -99.77 | -99.85 | -99.93 |
| Ferrosi glucoheptonas | -99.78 | -99.78 | -99.71 | -99.90 | -99.86 | -99.85 | -99.49 | -99.42 | -99.68 | -99.83 | -99.55 | -99.92 | -99.92 |
| Ironyl | -99.35 | -98.04 | -99.03 | -99.87 | -99.05 | -95.65 | -97.70 | -99.37 | -97.97 | -99.32 | -99.22 | -98.75 | -98.28 |
| Cobaltin Forte | -98.13 | -97.38 | -97.35 | -96.12 | -85.09 | -94.51 | -98.76 | -87.59 | -88.25 | -97.00 | -97.47 | -98.99 | -95.36 |
| Ferromaltose | -99.86 | -99.81 | -99.77 | -99.98 | -99.95 | -99.93 | -99.20 | -99.43 | -99.80 | -99.79 | -99.59 | -99.96 | -99.94 |
| Ferrotrenine | -87.52 | -81.45 | -74.15 | -77.50 | -80.07 | -82.71 | -83.27 | -50.02 | -64.31 | -75.58 | -79.30 | -81.78 | -87.52 |
| Aloin | 64.23 | 72.57 | 46.02 | 49.14 | 10.49 | 82.18 | 80.37 | 5.79 | 77.19 | 56.27 | 66.69 | 75.88 | 74.62 |
| Arecoline | -21.68 | -41.13 | -29.71 | -10.90 | -51.73 | -25.09 | -6.01 | -68.03 | -40.21 | -37.44 | -30.20 | -13.10 | -14.34 |
| Bibrofenum | -87.19 | -90.24 | -79.14 | -59.00 | -60.23 | -85.43 | -95.45 | -71.97 | -53.91 | -70.69 | -69.41 | -92.88 | -54.53 |
| Etamsylate | -89.49 | -82.47 | -90.61 | -94.91 | -91.38 | -84.22 | -93.44 | -84.63 | -82.19 | -93.01 | -93.78 | -91.05 | -90.22 |

Anexo 2b. Cont.

| Nombre | ΔP% ^a | ΔP% ^b | ΔP% ^c | ΔP% ^d | ΔP% ^e | ΔP% ^f | ΔP% ^g | ΔP% ^h | ΔP% ⁱ | ΔP% ^j | ΔP% ^k | ΔP% ^l | ΔP% ^m |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Fencadium | -99.76 | -99.02 | -99.56 | -99.83 | -99.73 | -99.30 | -99.63 | -97.10 | -97.84 | -99.03 | -99.00 | -98.82 | -99.66 |
| Adrenalone | -11.99 | 4.54 | -29.67 | -39.82 | -51.48 | -25.31 | -32.59 | -53.30 | -45.87 | -37.69 | -26.06 | -32.69 | -22.18 |
| Carbazochrome sodium sulfonate | -92.62 | -80.00 | -87.93 | -64.76 | -70.52 | -87.46 | -87.47 | -91.72 | -84.99 | -69.27 | -77.76 | -84.79 | -76.47 |
| Esculamine | -15.84 | 11.20 | -54.18 | -7.49 | -44.44 | 10.17 | -39.43 | -36.41 | 21.77 | -44.74 | -30.32 | 7.24 | -18.24 |
| Furosemide beta-diethylaminoethyl ester | -55.68 | -62.78 | -60.94 | -82.84 | -72.97 | -51.92 | -78.02 | -47.01 | -35.31 | -44.26 | -20.67 | -52.72 | -43.70 |
| Vitamin B15 | -99.37 | -98.83 | -94.21 | -96.37 | -97.26 | -99.30 | -99.10 | -93.77 | -96.25 | -99.06 | -98.06 | -99.78 | -99.36 |
| Chlormetaminofenamide | -99.89 | -99.92 | -99.86 | -99.66 | -99.90 | -99.91 | -87.72 | -99.75 | -99.90 | -93.51 | -96.25 | -98.79 | -99.84 |
| Urea | -98.96 | -98.42 | -98.00 | -97.02 | -96.72 | -98.11 | -98.78 | -97.59 | -95.70 | -99.32 | -97.53 | -97.69 | -98.05 |
| Glycuril | -91.34 | -88.49 | -90.22 | -92.71 | -92.29 | -89.92 | -89.47 | -83.44 | -79.76 | -90.44 | -90.40 | -90.71 | -94.33 |
| Guanamine | -96.56 | -96.03 | -96.40 | -97.40 | -97.13 | -96.02 | -94.43 | -95.99 | -97.79 | -96.68 | -95.48 | -95.73 | -92.15 |
| Melamine | -99.21 | -99.18 | -99.25 | -99.23 | -99.38 | -98.97 | -98.46 | -98.95 | -99.63 | -99.01 | -98.22 | -98.82 | -98.14 |
| Acetazolamide | -98.62 | -99.05 | -99.59 | -98.94 | -98.14 | -99.46 | -99.87 | -97.58 | -98.42 | -99.50 | -99.68 | -99.13 | -99.20 |
| Succinic acid | -83.76 | -82.67 | -82.55 | -83.57 | -71.57 | -76.11 | -82.93 | -56.96 | -56.12 | -60.57 | -54.46 | -83.01 | -88.79 |
| Pamabron | -98.26 | -99.68 | -99.01 | -99.12 | -96.94 | -99.15 | -97.91 | -99.40 | -98.70 | -97.67 | -97.25 | -99.05 | -98.47 |
| Trometamol | -99.38 | -99.83 | -99.66 | -99.85 | -99.60 | -99.76 | -98.52 | -99.54 | -99.51 | -99.19 | -97.72 | -99.68 | -99.70 |
| Oxaden | -86.42 | -86.75 | -93.77 | -92.22 | -91.26 | -79.75 | -89.49 | -90.27 | -94.90 | -92.69 | -90.12 | -90.69 | -82.72 |
| Methazolamide | -94.15 | -97.17 | -98.35 | -96.16 | -96.14 | -98.46 | -99.10 | -93.53 | -91.98 | -98.38 | -99.28 | -96.96 | -97.57 |
| Theophylline-Merodrin | -99.19 | -99.18 | -98.88 | -97.85 | -98.80 | -99.18 | -99.52 | -99.18 | -99.57 | -99.56 | -99.03 | -98.87 | -99.43 |
| Clofenamide | -99.27 | -99.63 | -99.36 | -99.80 | -99.59 | -99.42 | -97.80 | -99.23 | -95.64 | -95.65 | -95.60 | -97.52 | -98.82 |
| Chloraminophenamidum | -99.82 | -99.94 | -99.89 | -99.96 | -99.94 | -99.81 | -99.50 | -99.79 | -99.41 | -99.18 | -98.91 | -99.34 | -99.57 |
| Butazolamidum | -98.53 | -98.84 | -99.58 | -99.07 | -98.50 | -99.35 | -99.88 | -97.53 | -98.82 | -99.79 | -99.69 | -99.17 | -99.12 |
| Ambuside | -99.57 | -99.75 | -99.32 | -99.32 | -99.38 | -99.57 | -98.79 | -97.56 | -95.24 | -95.64 | -93.31 | -96.12 | -99.45 |
| Merbiurelidin | -99.56 | -99.56 | -99.41 | -97.93 | -99.28 | -99.43 | -99.88 | -99.62 | -99.79 | -99.97 | -99.77 | -99.40 | -99.67 |
| Manna sugar | -99.67 | -99.67 | -99.69 | -99.87 | -99.84 | -99.81 | -99.11 | -99.39 | -99.60 | -99.57 | -99.29 | -99.84 | -99.90 |
| Bromothiazide | -99.91 | -99.87 | -99.73 | -99.52 | -99.88 | -99.90 | -99.67 | -98.82 | -97.86 | -95.17 | -95.33 | -98.94 | -99.83 |
| Chlorothiazide | -99.81 | -99.81 | -99.66 | -99.53 | -99.88 | -99.68 | -98.64 | -98.60 | -97.56 | -95.74 | -95.83 | -97.65 | -99.80 |
| Iodothiazide | -99.96 | -99.92 | -99.86 | -99.49 | -99.88 | -99.97 | -99.93 | -99.00 | -98.49 | -94.01 | -94.47 | -99.55 | -99.91 |
| Sulclamide | -93.32 | -94.30 | -94.64 | -96.34 | -94.09 | -90.10 | -94.05 | -95.49 | -84.15 | -83.13 | -80.96 | -87.92 | -88.86 |
| Carzenide | -55.66 | -67.66 | -70.77 | -86.34 | -66.19 | -59.36 | -65.46 | -71.86 | -27.00 | -46.07 | -34.53 | -64.70 | -63.28 |
| Teobim | -74.19 | -83.77 | -86.65 | -64.67 | -96.10 | -73.93 | -84.36 | -89.83 | -90.53 | -97.40 | -96.35 | -68.04 | -81.76 |

Anexo 2b. Cont.

| Nombre | ΔP% ^a | ΔP% ^b | ΔP% ^c | ΔP% ^d | ΔP% ^e | ΔP% ^f | ΔP% ^g | ΔP% ^h | ΔP% ⁱ | ΔP% ^j | ΔP% ^k | ΔP% ^l | ΔP% ^m |
|--------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Theobromine | -51.43 | -56.06 | -71.34 | -16.57 | -80.19 | -36.30 | -42.58 | -54.55 | -62.82 | -79.98 | -73.66 | -25.84 | -47.78 |
| Disulfamide | -99.49 | -99.59 | -99.16 | -99.65 | -99.65 | -99.44 | -96.25 | -98.18 | -89.23 | -94.77 | -95.02 | -94.46 | -99.01 |
| Flumethiazide | -99.69 | -99.55 | -99.27 | -99.19 | -99.70 | -99.43 | -99.21 | -98.07 | -91.16 | -97.10 | -97.67 | -94.15 | -99.96 |
| Siccamid | -98.98 | -99.53 | -99.66 | -99.45 | -98.84 | -99.67 | -99.62 | -99.17 | -99.25 | -99.14 | -99.53 | -99.60 | -99.54 |
| Trichlormethiazide | -99.91 | -99.96 | -99.94 | -99.94 | -99.92 | -99.91 | -99.52 | -99.76 | -99.77 | -99.01 | -98.62 | -99.64 | -99.80 |
| Oradon | -62.29 | -80.71 | -67.32 | -57.55 | -67.07 | -74.60 | -86.38 | -73.38 | -87.04 | -92.40 | -85.09 | -64.82 | -80.18 |
| Propamin"soviet | -98.55 | -99.15 | -99.29 | -98.25 | -97.43 | -99.52 | -98.60 | -99.20 | -99.67 | -96.36 | -96.61 | -99.56 | -98.17 |
| Pallirad | -99.59 | -99.90 | -99.75 | -99.11 | -99.02 | -99.88 | -98.68 | -99.60 | -99.87 | -99.37 | -98.73 | -99.48 | -99.60 |
| Amifostine | -99.88 | -99.74 | -99.86 | -99.91 | -99.72 | -99.77 | -99.85 | -99.94 | -99.82 | -99.72 | -99.86 | -99.80 | -99.81 |
| Quimbosan | -99.65 | -98.86 | -99.27 | -96.35 | -93.90 | -99.63 | -99.92 | -96.61 | -93.26 | -91.73 | -93.37 | -99.77 | -97.92 |
| WR 2823 | -99.87 | -99.69 | -99.86 | -99.90 | -99.71 | -99.72 | -99.80 | -99.93 | -99.81 | -99.67 | -99.85 | -99.81 | -99.80 |
| Batitol | -92.75 | -84.61 | -96.62 | -98.05 | -97.30 | -88.65 | -86.01 | -79.33 | -88.03 | -76.72 | -89.17 | -90.82 | -96.38 |
| Glisolamide | -29.23 | -19.14 | -24.98 | -0.80 | -36.70 | -40.19 | -69.50 | -49.51 | -26.81 | -61.54 | -39.59 | -53.71 | -23.93 |
| Glipizide | -0.92 | 7.17 | 4.31 | 10.10 | 2.03 | -4.55 | -41.81 | -21.39 | 5.61 | -39.43 | -2.26 | -20.00 | 2.50 |
| BPC-151 | -98.89 | -98.64 | -97.41 | -82.98 | -87.23 | -97.61 | -98.89 | -98.21 | -98.16 | -98.14 | -96.41 | -97.63 | -96.35 |
| Palmoxiric acid | -69.80 | -31.96 | -63.66 | -83.58 | -81.39 | -45.38 | -50.58 | -50.84 | -25.51 | -58.97 | -76.27 | -71.09 | -65.39 |
| Calcii mesoxalas | -91.84 | -76.93 | -82.19 | -90.04 | -93.60 | -84.65 | -91.41 | -59.12 | -58.96 | -96.86 | -96.90 | -86.74 | -85.49 |
| Metformin | -99.69 | -99.71 | -99.46 | -98.33 | -99.02 | -99.35 | -99.55 | -99.55 | -99.73 | -99.77 | -99.08 | -99.30 | -99.24 |
| Tiforminhydrochloride | -99.70 | -99.73 | -99.43 | -98.91 | -98.54 | -99.52 | -99.25 | -99.20 | -99.43 | -99.14 | -95.90 | -99.41 | -99.38 |
| Etoformin hydrochloride | -99.41 | -99.05 | -98.69 | -95.79 | -98.70 | -98.63 | -99.22 | -98.81 | -99.25 | -99.79 | -98.39 | -98.75 | -99.16 |
| CPSI | -82.24 | -93.36 | -85.99 | -70.43 | -72.68 | -86.90 | -45.58 | -73.44 | -78.47 | -44.92 | -30.24 | -68.42 | -89.39 |
| Benfosformin | -98.00 | -87.34 | -88.36 | -87.08 | -94.33 | -70.97 | -97.71 | -99.05 | -92.70 | -99.69 | -98.85 | -93.73 | -97.34 |
| Phenformin hydrochloride | -88.79 | -86.48 | -72.02 | -40.05 | -57.25 | -76.56 | -87.82 | -90.19 | -88.24 | -94.12 | -75.06 | -76.97 | -85.51 |
| Mebenformin | -82.20 | -82.56 | -68.89 | -36.09 | -49.60 | -65.95 | -78.77 | -89.11 | -88.19 | -85.77 | -64.79 | -61.59 | -69.99 |
| Glycopyramide | -88.88 | -95.07 | -91.93 | -91.45 | -87.44 | -89.05 | -96.37 | -93.73 | -91.93 | -93.35 | -92.53 | -91.24 | -87.83 |
| Phenbutamida | -77.69 | -80.22 | -81.43 | -78.72 | -84.76 | -79.62 | -92.18 | -91.44 | -82.41 | -93.15 | -87.25 | -82.55 | -87.15 |
| Carbutamida | -93.95 | -96.85 | -95.79 | -94.71 | -96.31 | -94.61 | -98.44 | -98.20 | -97.80 | -98.46 | -95.52 | -95.70 | -95.47 |
| Butadiazamide | -63.56 | -87.64 | -86.03 | -73.94 | -74.70 | -86.34 | -92.34 | -86.29 | -85.17 | -92.55 | -89.93 | -89.83 | -82.03 |
| Glybzazole | -51.66 | -86.89 | -79.63 | -73.15 | -66.97 | -85.28 | -77.40 | -85.03 | -75.17 | -84.09 | -81.01 | -85.27 | -66.44 |
| Chlorpentazide | -88.51 | -94.68 | -91.93 | -91.29 | -87.43 | -88.26 | -96.71 | -93.69 | -91.35 | -94.11 | -93.47 | -91.55 | -87.43 |

Anexo 2b. Cont.

| Nombre | ΔP% ^a | ΔP% ^b | ΔP% ^c | ΔP% ^d | ΔP% ^e | ΔP% ^f | ΔP% ^g | ΔP% ^h | ΔP% ⁱ | ΔP% ^j | ΔP% ^k | ΔP% ^l | ΔP% ^m |
|---------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Tolpyramide | -37.53 | -54.14 | -42.75 | -31.71 | -49.63 | -37.84 | -66.44 | -17.97 | -19.77 | -72.11 | -40.25 | -22.69 | -52.90 |
| Glybuthiazol | -85.36 | -97.98 | -95.34 | -93.14 | -91.37 | -96.20 | -95.23 | -96.92 | -96.79 | -96.24 | -93.15 | -96.41 | -87.20 |
| Tolbutamide | -78.20 | -77.99 | -73.30 | -65.86 | -82.02 | -78.45 | -92.10 | -86.56 | -70.09 | -92.97 | -85.72 | -70.73 | -87.73 |
| Anisilbutamide | -86.47 | -83.70 | -81.46 | -81.41 | -91.16 | -87.52 | -96.62 | -95.26 | -87.89 | -96.27 | -91.55 | -83.30 | -92.80 |
| Anticoman | -99.96 | -99.95 | -99.93 | -99.75 | -99.73 | -99.90 | -99.88 | -99.95 | -99.92 | -99.94 | -99.68 | -99.94 | -99.89 |
| Glymidine sodium | -47.01 | -37.30 | -27.70 | -87.51 | -45.20 | -60.21 | -64.28 | -67.54 | -63.11 | -36.98 | -45.69 | -77.30 | -51.42 |
| Gly sobuzole | -61.43 | -80.96 | -80.24 | -69.49 | -69.63 | -87.69 | -93.54 | -87.31 | -84.72 | -92.46 | -89.17 | -85.87 | -81.67 |
| Glypinamide | -88.12 | -94.25 | -91.93 | -91.28 | -87.26 | -87.41 | -96.95 | -95.24 | -90.90 | -94.33 | -95.04 | -93.23 | -87.12 |
| Glycyclamide | -56.65 | -62.48 | -55.73 | -48.97 | -60.22 | -55.24 | -84.04 | -69.51 | -40.67 | -81.77 | -76.80 | -59.56 | -72.73 |
| Metahexamide | -86.47 | -91.30 | -88.81 | -83.35 | -90.13 | -82.95 | -95.82 | -91.46 | -89.46 | -95.48 | -90.74 | -87.76 | -88.54 |
| Tolazamide | -77.17 | -81.38 | -75.80 | -75.77 | -74.30 | -74.93 | -92.32 | -81.36 | -71.11 | -88.88 | -89.37 | -76.84 | -77.71 |
| Synthalin B | -99.95 | -99.95 | -99.93 | -99.75 | -99.72 | -99.88 | -99.87 | -99.94 | -99.91 | -99.93 | -99.66 | -99.94 | -99.88 |
| Enalaprilat | 65.22 | 62.31 | 85.34 | 72.64 | 79.18 | 70.83 | 84.76 | 91.21 | 76.75 | 89.57 | 95.62 | 64.35 | 65.68 |
| Bromcholine | -96.77 | -98.40 | -98.91 | -96.14 | -89.51 | -93.33 | -92.42 | -98.45 | -95.97 | -97.00 | -96.59 | -98.37 | -83.49 |
| Iodocholine | -98.33 | -98.83 | -99.45 | -95.86 | -89.26 | -95.15 | -92.64 | -98.57 | -96.86 | -97.16 | -96.53 | -99.33 | -83.65 |
| Nitricholine perchlorate | -94.94 | -97.87 | -98.66 | -98.41 | -95.16 | -95.50 | -97.94 | -99.86 | -98.73 | -98.47 | -99.46 | -99.53 | -89.72 |
| Abbott-31699 | -1.52 | -28.30 | -46.76 | -24.96 | -51.37 | -29.20 | -67.88 | -67.81 | -85.09 | -80.93 | -84.62 | -63.31 | 11.75 |
| Guancidine | -95.72 | -97.95 | -96.61 | -86.39 | -95.90 | -93.40 | -98.59 | -97.87 | -96.92 | -99.64 | -98.93 | -97.24 | -98.05 |
| Diazoxide | -86.93 | -90.47 | -81.57 | -80.86 | -81.20 | -83.21 | -69.91 | -49.91 | -47.07 | -40.71 | -59.63 | -63.99 | -93.03 |
| Guanoxabenz hydrochloride | -85.94 | -95.76 | -89.48 | -82.82 | -82.58 | -84.63 | -93.33 | -98.96 | -96.47 | -92.29 | -93.22 | -75.05 | -81.76 |
| Hydralazine | 16.97 | -11.35 | -21.13 | -21.12 | -31.13 | 0.18 | 7.17 | -68.01 | -69.77 | -24.83 | -21.04 | 0.05 | 27.38 |
| Tiamenidine hydrochloride | -26.82 | -48.87 | -54.15 | -63.88 | -70.45 | -54.40 | -26.45 | -67.43 | -71.40 | -65.28 | -42.66 | -44.55 | -52.27 |
| Dihydralazine | -77.76 | -91.78 | -92.60 | -89.29 | -94.72 | -87.78 | -77.99 | -98.46 | -99.37 | -90.00 | -85.35 | -74.19 | -64.84 |
| Nebidrazine | -60.50 | -93.63 | -81.47 | -81.70 | -67.13 | -69.87 | -80.04 | -89.86 | -96.86 | -91.24 | -91.44 | -75.16 | -32.64 |
| Guanfacine hydrochloride | -77.83 | -89.15 | -70.09 | -41.05 | -38.67 | -63.50 | -88.18 | -93.98 | -73.63 | -84.23 | -73.71 | -55.44 | -73.17 |
| Guanoclor sulfate | -98.05 | -99.09 | -96.32 | -95.24 | -95.41 | -97.61 | -96.09 | -98.58 | -98.06 | -96.75 | -92.29 | -94.26 | -94.88 |
| Oxonazine | -95.96 | -93.81 | -97.53 | -97.75 | -88.70 | -97.87 | -84.14 | -91.91 | -97.33 | -94.56 | -91.99 | -94.60 | -80.86 |
| Minoxidil | -96.70 | -96.93 | -97.11 | -99.68 | -96.85 | -98.09 | -89.10 | -95.15 | -96.62 | -98.08 | -94.44 | -94.47 | -96.38 |
| Triacetonamine | -46.05 | -60.42 | -57.62 | -23.92 | 3.42 | -62.77 | -69.82 | -64.11 | 8.88 | -61.80 | -68.82 | -71.32 | -43.77 |
| Guanacline sulfate | -96.45 | -96.61 | -93.09 | -88.87 | -86.66 | -94.73 | -91.59 | -91.75 | -93.39 | -93.23 | -88.73 | -86.83 | -92.59 |

Anexo 2b. Cont.

| Nombre | ΔP% ^a | ΔP% ^b | ΔP% ^c | ΔP% ^d | ΔP% ^e | ΔP% ^f | ΔP% ^g | ΔP% ^h | ΔP% ⁱ | ΔP% ^j | ΔP% ^k | ΔP% ^l | ΔP% ^m |
|---------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Hemedin | -98.66 | -98.76 | -98.64 | -98.23 | -96.77 | -97.72 | -96.65 | -98.48 | -97.92 | -97.89 | -96.44 | -98.24 | -96.87 |
| Penbutamin | -86.71 | -89.52 | -67.03 | -76.01 | -72.88 | -86.72 | -84.91 | -88.56 | -76.51 | -75.40 | -86.50 | -71.36 | -82.27 |
| Guanoctine hydrochloride | -99.42 | -99.84 | -99.44 | -97.18 | -91.80 | -99.25 | -99.64 | -99.97 | -98.85 | -99.53 | -99.45 | -99.78 | -98.57 |
| Tolonidine nitrate | 20.61 | 12.42 | 14.01 | 25.95 | 13.63 | 38.51 | 27.96 | 13.84 | 0.43 | 10.89 | 39.27 | 48.97 | 26.15 |
| Barbismetyl iodidum | -81.08 | -99.25 | -98.93 | -80.74 | -77.92 | -88.89 | -92.35 | -99.92 | -98.42 | -99.62 | -99.07 | -99.39 | -25.51 |
| Dipropamine | -22.76 | -49.96 | -60.11 | -21.94 | 28.38 | -25.32 | -14.20 | -48.41 | -36.05 | -35.41 | -10.93 | -40.45 | 38.92 |
| Pentolinium tartrate | -67.35 | -81.06 | -92.06 | -73.18 | -39.02 | -58.17 | -39.63 | -61.29 | -67.05 | -62.57 | -66.52 | -66.09 | -16.71 |
| Plegarol | -84.15 | -82.65 | -81.49 | -72.31 | -60.22 | -74.93 | -61.07 | -56.26 | -71.50 | -56.16 | -77.94 | -76.21 | -67.18 |
| Gaplegin | -94.34 | -97.69 | -98.45 | -93.43 | -83.35 | -92.68 | -91.22 | -96.89 | -95.71 | -93.06 | -93.42 | -94.46 | -81.59 |
| Oxaditon | -95.14 | -97.22 | -96.83 | -93.72 | -84.49 | -93.63 | -90.51 | -94.92 | -95.91 | -88.49 | -93.91 | -94.72 | -86.96 |
| Agentit | -98.50 | -99.43 | -99.81 | -98.78 | -96.18 | -98.42 | -98.04 | -99.78 | -99.19 | -98.76 | -98.79 | -99.35 | -96.27 |
| Dimecolonium iodide | -84.49 | -95.29 | -94.27 | -86.30 | -42.99 | -86.08 | -80.22 | -97.23 | -92.27 | -88.03 | -94.08 | -96.13 | -47.55 |
| Fubrogenium iodide | -22.50 | -59.89 | -49.20 | -10.78 | 4.66 | -57.25 | -86.96 | -12.70 | -30.60 | -26.51 | -34.06 | -72.51 | -8.00 |
| Methyloxamethonium iodide | -96.30 | -98.43 | -98.64 | -95.17 | -85.83 | -96.04 | -93.48 | -98.27 | -96.54 | -93.06 | -95.47 | -97.77 | -86.31 |
| Hexamethonium | -96.67 | -99.45 | -99.81 | -98.36 | -90.02 | -97.03 | -96.34 | -99.81 | -98.57 | -98.85 | -98.20 | -99.10 | -82.45 |
| Tiamethonium iodide | -95.75 | -98.74 | -99.20 | -96.61 | -87.89 | -96.29 | -89.69 | -98.59 | -98.44 | -95.85 | -97.17 | -97.90 | -85.82 |
| Leptodactyline | 9.88 | -31.15 | -48.22 | -10.23 | 34.07 | 9.49 | -25.42 | -60.06 | -24.93 | -34.79 | -49.56 | -31.01 | 32.24 |
| Tetrammonii iodidum | -93.47 | -98.08 | -99.03 | -97.15 | -89.92 | -94.60 | -93.96 | -99.35 | -94.94 | -98.93 | -96.17 | -97.72 | -84.52 |
| Cyclocholine tosilate | -86.67 | -90.20 | -93.46 | -90.52 | -82.17 | -86.32 | -84.20 | -86.62 | -87.65 | -85.37 | -91.25 | -86.85 | -82.85 |
| Methylene chloride | -79.28 | -80.88 | -86.45 | -80.56 | -84.71 | -73.77 | -45.20 | -93.67 | -91.24 | -74.09 | -71.60 | -86.13 | -82.75 |
| Fingen 113 | -98.36 | -96.17 | -95.32 | -87.32 | -91.97 | -92.56 | -96.68 | -87.51 | -94.59 | -99.19 | -99.70 | -80.68 | -95.84 |
| Halothane | -98.79 | -94.51 | -91.06 | -87.51 | -90.08 | -84.65 | -91.84 | -87.79 | -91.97 | -96.99 | -98.52 | -89.10 | -94.97 |
| Teflurane | -98.14 | -88.90 | -85.65 | -88.38 | -90.73 | -82.43 | -91.39 | -80.10 | -85.47 | -97.21 | -98.74 | -85.94 | -96.51 |
| Tribrommethanol | -98.89 | -98.79 | -99.80 | -90.02 | -91.86 | -98.76 | -63.57 | -97.86 | -97.48 | -94.73 | -96.62 | -99.25 | -90.93 |
| Ethylene | -57.72 | -52.23 | -65.31 | -77.30 | -72.95 | -53.18 | -52.38 | -45.97 | -41.10 | -58.70 | -69.32 | -40.67 | -63.59 |
| Ethyl bromide | -89.13 | -86.46 | -89.23 | -79.33 | -85.25 | -76.57 | -8.04 | -90.23 | -85.71 | -79.03 | -85.91 | -89.22 | -82.10 |
| Enflurane | -92.95 | -89.17 | -82.40 | -94.25 | -89.67 | -77.13 | -92.99 | -85.88 | -92.07 | -97.54 | -97.97 | -75.64 | -98.54 |
| Isoflurane | -92.47 | -89.67 | -82.02 | -93.33 | -87.29 | -75.25 | -91.91 | -57.95 | -86.94 | -95.48 | -93.36 | -62.54 | -98.59 |
| Dioxychlorane | -82.64 | -94.53 | -86.67 | -92.11 | -69.63 | -66.17 | -89.45 | -69.20 | -87.25 | -87.64 | -76.59 | -72.48 | -92.10 |
| Roflurane | -98.20 | -92.82 | -85.99 | -93.72 | -93.11 | -87.08 | -82.92 | -93.07 | -93.40 | -94.71 | -95.90 | -93.48 | -96.02 |

Anexo 2b. Cont.

| Nombre | ΔP% ^a | ΔP% ^b | ΔP% ^c | ΔP% ^d | ΔP% ^e | ΔP% ^f | ΔP% ^g | ΔP% ^h | ΔP% ⁱ | ΔP% ^j | ΔP% ^k | ΔP% ^l | ΔP% ^m |
|----------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Methoxyflurane | -96.41 | -94.63 | -88.59 | -93.49 | -92.77 | -87.17 | -84.37 | -94.53 | -94.67 | -94.62 | -95.70 | -89.35 | -95.02 |
| Methioflurane | -95.89 | -94.60 | -92.53 | -92.66 | -93.18 | -91.95 | -74.36 | -95.17 | -96.83 | -96.41 | -97.34 | -91.84 | -93.03 |
| Isopropylum chloratum | -84.97 | -89.37 | -93.20 | -83.42 | -83.43 | -82.76 | -73.39 | -89.72 | -77.15 | -76.64 | -87.48 | -82.80 | -84.99 |
| Aliflurane | -97.66 | -89.45 | -63.70 | -97.74 | -97.91 | -91.23 | -91.47 | -82.74 | -90.88 | -99.29 | -99.74 | -76.98 | -94.83 |
| Fluroxene | -73.26 | -54.09 | -63.34 | -80.43 | -71.53 | -61.96 | -51.47 | -7.90 | -38.35 | -20.18 | -28.71 | -29.21 | -90.58 |
| Vinamar | -62.35 | -49.85 | -56.14 | -75.68 | -75.03 | -59.58 | -55.42 | -52.04 | -38.59 | -43.01 | -60.81 | -55.36 | -70.22 |
| Neethyl | -81.88 | -78.46 | -81.66 | -89.87 | -89.07 | -79.41 | -80.46 | -93.49 | -84.48 | -88.30 | -84.56 | -87.95 | -87.02 |
| Isopryl | -81.98 | -78.14 | -77.48 | -86.20 | -85.33 | -80.83 | -85.42 | -90.78 | -83.99 | -67.48 | -83.07 | -86.66 | -87.25 |
| Anaesthaminol | 3.51 | -20.40 | -17.81 | -32.92 | -33.49 | 6.35 | -23.53 | 1.11 | -48.84 | -4.66 | 25.63 | -11.41 | -13.92 |
| Novasil | -26.86 | -48.92 | -52.51 | -56.61 | -49.33 | -33.88 | -41.97 | -77.96 | -72.44 | -20.83 | 6.40 | -40.78 | -40.76 |
| Acidum isobutiacilicum | -86.76 | -69.60 | -78.74 | -76.94 | -67.60 | -79.19 | -71.17 | -61.16 | -72.36 | -80.71 | -86.17 | -79.52 | -75.58 |
| Tireobutil | -83.50 | -36.71 | -59.22 | -23.62 | -72.93 | -71.08 | -93.12 | -51.00 | -77.48 | -82.83 | -71.35 | -77.59 | -63.80 |
| Clormecaine hydrochloride | -24.48 | -73.48 | -65.88 | -75.22 | -39.50 | -23.26 | -59.72 | -80.35 | -85.45 | -63.69 | -55.76 | -59.60 | -11.41 |
| Basedol | -70.94 | -87.33 | -87.89 | -80.92 | -75.81 | -84.44 | -71.83 | -83.54 | -90.62 | -82.88 | -80.83 | -82.23 | -79.09 |
| Iodothiouracil | -99.39 | -95.78 | -96.19 | -89.49 | -91.20 | -97.06 | -99.73 | -94.31 | -97.87 | -92.17 | -90.57 | -99.30 | -87.06 |
| Tiouracilo | -85.68 | -74.97 | -78.89 | -80.65 | -78.49 | -84.76 | -94.57 | -85.51 | -94.74 | -84.30 | -80.20 | -94.99 | -65.52 |
| Bathyran | -73.47 | -95.34 | -91.83 | -67.97 | -81.69 | -94.25 | -94.52 | -88.49 | -93.81 | -97.92 | -95.23 | -92.32 | -88.64 |
| Thiamazole | -60.22 | -72.00 | -63.87 | -65.36 | -57.62 | -75.44 | -88.14 | -80.80 | -88.35 | -70.34 | -65.72 | -87.79 | -53.59 |
| Aminomethiazole bitartrate | -67.29 | -82.84 | -75.09 | -67.23 | -66.34 | -79.50 | -61.27 | -71.82 | -79.89 | -77.42 | -78.06 | -75.32 | -79.80 |
| Methylthiouracil | -85.56 | -68.38 | -72.93 | -62.97 | -73.81 | -82.97 | -92.03 | -75.25 | -91.34 | -76.49 | -71.84 | -91.01 | -65.47 |
| Thiamazol methyl iodide | -55.79 | -70.53 | -54.63 | -41.31 | -52.03 | -74.99 | -78.57 | -80.22 | -82.92 | -71.80 | -53.43 | -85.58 | -51.93 |
| Basthioryl | -61.55 | -94.56 | -85.93 | -91.16 | -93.48 | -91.96 | -14.94 | -97.26 | -83.95 | -94.06 | -90.04 | -89.14 | -76.90 |
| Bijodtyrosin | -97.31 | -97.51 | -96.02 | -75.37 | -76.11 | -98.05 | -99.73 | -92.23 | -83.03 | -49.98 | -28.57 | -96.25 | -89.92 |
| Fenucil | 40.31 | 59.29 | 44.52 | 49.40 | 54.84 | 52.00 | -12.37 | 20.86 | -20.77 | 52.00 | 59.20 | -30.86 | 71.21 |
| Diobutil | -87.32 | -79.47 | -86.32 | -34.52 | -35.88 | -86.63 | -99.71 | 2.83 | -35.62 | -44.93 | -24.48 | -88.73 | -59.95 |
| Acidum clodronicum | -99.88 | -99.46 | -99.62 | -99.93 | -99.90 | -99.18 | -99.92 | -99.67 | -98.90 | -99.99 | -100.0 | -99.68 | -99.81 |
| Dimaval | -99.61 | -99.31 | -99.47 | -97.53 | -97.90 | -99.68 | -99.93 | -99.72 | -99.95 | -99.50 | -99.51 | -99.97 | -98.50 |
| Allantovanamide | -94.04 | -94.35 | -96.32 | -86.59 | -95.00 | -89.27 | -97.58 | -93.12 | -95.14 | -98.16 | -97.03 | -94.58 | -93.81 |
| Orotic | -56.72 | -62.37 | -58.65 | -62.52 | -50.85 | -53.23 | -54.00 | -38.63 | -44.95 | -44.35 | -36.26 | -61.22 | -58.13 |
| Quisqua lamine | -94.39 | -96.98 | -96.42 | -95.95 | -96.06 | -95.74 | -97.79 | -96.97 | -97.47 | -99.00 | -97.16 | -97.27 | -93.79 |

Anexo 2b. Cont.

| Nombre | ΔP% ^a | ΔP% ^b | ΔP% ^c | ΔP% ^d | ΔP% ^e | ΔP% ^f | ΔP% ^g | ΔP% ^h | ΔP% ⁱ | ΔP% ^j | ΔP% ^k | ΔP% ^l | ΔP% ^m |
|-----------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Isocalcio"Erba" | -82.65 | -82.05 | -79.39 | -86.25 | -83.84 | -78.29 | -70.78 | -77.44 | -66.00 | -74.98 | -57.01 | -78.71 | -84.42 |
| Treonin fosfatum | -99.65 | -99.17 | -98.40 | -99.72 | -99.30 | -97.81 | -99.38 | -99.53 | -97.93 | -99.11 | -99.00 | -99.32 | -99.56 |
| Pyrglutarginine | -77.05 | -81.11 | -75.54 | -82.82 | -72.21 | -75.18 | -66.54 | -51.02 | -65.38 | -56.11 | -42.30 | -77.59 | -78.13 |
| Acustasin | -98.45 | -99.24 | -98.07 | -98.40 | -97.19 | -98.67 | -96.88 | -96.50 | -98.21 | -94.64 | -86.51 | -98.56 | -98.45 |
| Eutrit | -99.31 | -99.28 | -99.39 | -99.71 | -99.65 | -99.57 | -98.37 | -98.71 | -99.10 | -99.11 | -98.64 | -99.63 | -99.76 |
| Gaboxadol | -60.79 | -38.99 | -66.68 | -66.70 | -82.78 | -65.56 | -51.41 | -55.12 | -60.09 | -80.92 | -75.93 | -55.02 | -59.94 |
| FBF | -99.36 | -92.03 | -88.18 | -98.64 | -99.38 | -99.80 | -76.41 | -84.53 | -79.27 | -95.43 | -97.78 | -80.08 | -99.97 |
| Gluronsan | -90.61 | -90.80 | -88.64 | -97.15 | -94.85 | -92.83 | -85.50 | -81.60 | -88.06 | -93.59 | -93.11 | -95.23 | -91.34 |
| W 3580 B | -42.43 | -27.12 | -30.68 | -55.62 | -38.57 | -41.51 | -30.34 | -46.28 | -52.01 | -45.33 | -61.92 | -23.96 | -5.11 |
| Esorben | -98.90 | -98.45 | -98.57 | -99.46 | -99.48 | -99.33 | -97.30 | -98.04 | -98.14 | -98.78 | -98.24 | -99.34 | -99.51 |
| Diclofutime mesilate | 22.72 | 63.51 | 68.74 | 47.49 | 14.97 | 61.27 | 40.49 | 60.77 | 58.19 | 32.03 | 25.42 | 71.02 | 64.37 |
| Khelloside | -8.57 | 30.42 | -9.30 | -56.73 | -57.96 | -21.83 | 65.36 | 33.17 | 21.99 | 24.55 | 29.39 | -10.97 | 6.29 |
| Nitrous ether | -76.93 | -72.77 | -78.64 | -80.35 | -92.77 | -78.62 | -85.89 | -83.25 | -85.42 | -87.05 | -86.21 | -87.51 | -86.30 |
| Aminoethylnitrate | -96.00 | -96.96 | -96.79 | -98.60 | -98.46 | -97.62 | -98.01 | -98.72 | -98.79 | -97.85 | -98.12 | -98.45 | -97.26 |
| Clonitrate | -94.30 | -93.83 | -93.68 | -98.49 | -98.35 | -92.20 | -98.74 | -98.76 | -99.01 | -99.23 | -99.60 | -98.31 | -93.36 |
| Nitroglycerin | -95.25 | -93.74 | -94.91 | -99.28 | -99.25 | -95.46 | -99.58 | -99.43 | -99.59 | -99.66 | -99.85 | -98.70 | -95.62 |
| Eritrityl tetranitrate | -97.30 | -95.88 | -96.31 | -99.70 | -99.72 | -97.58 | -99.90 | -99.82 | -99.90 | -99.92 | -99.98 | -99.42 | -97.31 |
| Pentaerythrityltetranitrate | -97.17 | -98.84 | -98.70 | -99.84 | -99.81 | -98.24 | -99.86 | -99.98 | -99.95 | -99.72 | -99.90 | -99.74 | -96.54 |
| Amyl nitrite | -78.29 | -80.58 | -86.49 | -86.99 | -92.07 | -81.18 | -91.31 | -98.13 | -88.88 | -90.44 | -97.20 | -96.52 | -85.02 |
| Nitrosorbide | -84.93 | -75.19 | -77.67 | -97.73 | -96.53 | -87.49 | -93.84 | -95.28 | -95.64 | -93.89 | -98.28 | -94.17 | -76.57 |
| Propatyl nitrate | -94.78 | -96.76 | -95.69 | -99.31 | -99.25 | -95.92 | -99.27 | -99.87 | -99.71 | -98.93 | -99.52 | -98.97 | -94.42 |
| Trolnitrate | -96.41 | -95.22 | -96.29 | -99.51 | -99.35 | -95.90 | -99.48 | -99.82 | -99.73 | -98.98 | -99.82 | -99.60 | -95.99 |
| Nitral | -91.71 | -94.28 | -93.88 | -97.90 | -97.53 | -92.79 | -97.78 | -99.77 | -98.21 | -98.26 | -98.87 | -98.70 | -90.77 |
| Vasactin | -95.44 | -92.94 | -91.62 | -93.45 | -92.47 | -91.51 | -93.89 | -95.82 | -88.08 | -93.22 | -91.74 | -96.14 | -94.20 |
| Carpronium chloride | -86.25 | -95.94 | -95.96 | -93.32 | -78.89 | -88.57 | -86.53 | -99.34 | -94.14 | -91.15 | -93.05 | -97.68 | -76.62 |
| Sympatektoman-N | -81.84 | -68.16 | -48.52 | -53.67 | -72.12 | -69.68 | -69.21 | -41.58 | -47.66 | -59.42 | -74.39 | -61.12 | -82.52 |
| Dan Shen-Su | -35.97 | -18.31 | -28.11 | -39.18 | -48.43 | -19.10 | -29.13 | -21.24 | -28.74 | -49.98 | -19.87 | -26.52 | -48.70 |
| Acide tofesilique | -76.62 | -83.07 | -87.92 | -2.81 | -91.31 | -64.21 | -49.65 | -83.30 | -79.94 | -81.79 | -82.68 | -81.08 | -71.01 |
| Cloguanamil | -89.03 | -95.41 | -91.69 | -62.37 | -80.50 | -70.41 | -92.32 | -97.56 | -88.98 | -90.36 | -75.10 | -76.79 | -84.41 |
| Cilional | 34.15 | -9.29 | -22.07 | -17.26 | 27.14 | 45.66 | 10.86 | -32.09 | -18.76 | 19.82 | 13.38 | 0.51 | 66.28 |

Anexo 2b. Cont.

| Nombre | ΔP% ^a | ΔP% ^b | ΔP% ^c | ΔP% ^d | ΔP% ^e | ΔP% ^f | ΔP% ^g | ΔP% ^h | ΔP% ⁱ | ΔP% ^j | ΔP% ^k | ΔP% ^l | ΔP% ^m |
|--------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 7,7 Difluoro-B-arteether | 6.57 | 21.23 | 67.82 | -4.62 | -10.71 | -15.62 | 38.17 | 30.09 | 16.98 | 54.00 | 39.97 | 1.78 | -29.64 |
| Percloroetane | -99.52 | -99.57 | -99.44 | -85.68 | -91.75 | -97.52 | -97.98 | -97.96 | -99.38 | -98.94 | -99.50 | -92.11 | -87.72 |
| Dichorus | -97.34 | -98.37 | -97.27 | -98.43 | -91.49 | -88.09 | -89.96 | -99.48 | -99.61 | -93.05 | -96.98 | -96.45 | -89.49 |
| Dimetrizadole | -60.16 | -40.37 | -31.48 | -43.22 | -54.01 | -62.26 | -59.33 | -47.30 | -51.69 | -77.14 | -87.42 | -26.48 | -56.06 |
| Lindane | -98.66 | -99.78 | -97.06 | -97.84 | -94.86 | -87.61 | -77.19 | -95.35 | -94.08 | -96.90 | -97.45 | -86.64 | -83.27 |
| Fospirate | -97.64 | -97.37 | -94.10 | -97.47 | -91.03 | -72.48 | -89.01 | -98.87 | -99.62 | -94.04 | -97.78 | -90.67 | -83.88 |
| Certuna | -57.80 | -62.75 | -55.56 | -19.81 | -46.68 | -55.70 | -67.59 | -23.07 | -31.95 | -57.44 | -34.46 | -64.71 | -73.44 |
| Butonate | -84.14 | -82.41 | -72.46 | -90.26 | -74.75 | -79.00 | -21.63 | -93.52 | -97.42 | -73.02 | -79.90 | -91.84 | -87.45 |
| Famopos | -95.01 | -95.02 | -94.68 | -89.69 | -69.90 | -96.04 | 97.18 | -99.05 | -99.46 | -43.91 | -87.05 | -90.12 | -93.00 |
| Ascaridole | -38.30 | -42.04 | -18.71 | -51.53 | -49.88 | -54.01 | -13.92 | -25.79 | -28.62 | -14.10 | -27.15 | -33.73 | -44.22 |
| Niclofolan | -1.23 | 2.04 | -41.03 | -7.54 | -54.68 | 34.16 | -62.33 | -56.20 | -35.83 | -80.17 | -83.21 | 13.39 | 31.38 |
| Clorsulon | -99.96 | -99.99 | -99.94 | -99.95 | -99.97 | -99.88 | -99.76 | -99.95 | -99.66 | -99.45 | -99.49 | -99.70 | -99.51 |
| Bromofenofos | -90.29 | -82.49 | -94.42 | -56.37 | -73.06 | -90.99 | -99.92 | -96.79 | -43.70 | -65.30 | -83.88 | -89.02 | -67.90 |
| Crufomate | -64.42 | -40.74 | -44.79 | -43.97 | -24.90 | -10.50 | 25.19 | -95.10 | -85.18 | -24.90 | -67.66 | -2.28 | -50.30 |
| Pexantel | -32.94 | -47.68 | -54.26 | -71.05 | -40.93 | -24.27 | -3.01 | -40.41 | -46.04 | -50.87 | -51.85 | -37.23 | -1.19 |
| Tandamine Hidrochloride | 85.43 | 80.94 | 44.08 | 83.57 | 83.13 | 86.80 | 91.39 | 80.18 | 86.00 | 87.47 | 79.65 | 89.35 | 88.30 |
| Tisocromide | -65.28 | -58.99 | -6.10 | -50.16 | -86.88 | -74.64 | -95.60 | -83.79 | -71.69 | -44.96 | -84.90 | -52.48 | -77.53 |
| Dimetridazole | -92.75 | -92.13 | -89.40 | -95.44 | -94.63 | -94.21 | -91.05 | -95.24 | -96.18 | -93.88 | -95.93 | -94.29 | -87.38 |
| Hachimycin | -32.07 | -72.60 | -58.03 | -29.17 | 9.19 | -35.08 | -58.88 | -19.76 | -13.45 | 6.62 | 11.99 | -62.57 | 20.30 |
| Ipronidazole | -65.50 | -46.33 | -42.12 | -46.31 | -69.11 | -65.94 | -63.24 | -75.71 | -63.30 | -87.34 | -89.65 | -37.86 | -51.40 |
| Melarsoprol | -88.95 | -89.96 | -95.20 | -94.66 | -95.11 | -94.92 | -51.87 | -98.25 | -98.83 | -98.27 | -93.46 | -90.77 | -91.53 |
| N methylglucamine | -99.73 | -99.76 | -99.79 | -99.91 | -99.89 | -99.89 | -99.39 | -99.78 | -99.84 | -99.70 | -99.43 | -99.91 | -99.91 |
| Nifurtimox | -19.82 | 7.33 | 14.58 | -57.86 | 15.00 | -69.81 | 7.72 | -49.80 | -33.76 | -58.78 | -79.02 | -82.73 | -1.05 |
| Nihidrazone | -56.40 | -46.52 | -38.36 | -61.50 | -49.04 | -66.90 | -76.48 | -64.84 | -68.48 | -72.20 | -85.25 | -62.54 | -33.35 |
| Nimorazole | -75.72 | -89.63 | -78.96 | -5.74 | -98.19 | -90.83 | -75.24 | -66.51 | -35.06 | -88.14 | -95.67 | -48.85 | -89.84 |
| Nithiazide | -88.18 | -94.09 | -96.11 | -88.04 | -94.15 | -93.58 | -98.70 | -96.79 | -97.95 | -98.91 | -97.99 | -92.49 | -92.56 |
| Oxophenarsine | -35.93 | -42.95 | -37.18 | -63.55 | -69.63 | -34.43 | -37.51 | -83.59 | -76.57 | -79.70 | -87.24 | 1.83 | -81.09 |
| Glycobiazol | -80.62 | -73.26 | -75.51 | -93.31 | -74.09 | -94.07 | -97.62 | -90.17 | -96.42 | -43.41 | -65.58 | -93.75 | -99.80 |
| Arstinol | -32.56 | -27.44 | -61.41 | -46.90 | -44.79 | -59.07 | 4.01 | -49.77 | -70.87 | -63.65 | -68.12 | -37.39 | -85.57 |
| Nitrofural | -91.50 | -85.87 | -85.69 | -89.62 | -85.54 | -90.98 | -95.10 | -97.78 | -93.20 | -94.94 | -96.17 | -86.88 | -77.14 |

Anexo 2b. Cont.

| Nombre | ΔP% ^a | ΔP% ^b | ΔP% ^c | ΔP% ^d | ΔP% ^e | ΔP% ^f | ΔP% ^g | ΔP% ^h | ΔP% ⁱ | ΔP% ^j | ΔP% ^k | ΔP% ^l | ΔP% ^m |
|-----------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Nitromide | -43.84 | -23.90 | -48.21 | -67.69 | -61.01 | -47.43 | -83.10 | -89.75 | -75.21 | -83.78 | -91.27 | -44.03 | -52.58 |
| Gobad | -89.18 | -88.53 | -91.37 | -92.69 | -87.90 | -87.33 | -90.62 | -91.45 | -81.34 | -91.54 | -91.67 | -92.79 | -93.50 |
| Antallan | -82.82 | -84.50 | -83.20 | -93.06 | -85.41 | -83.86 | -85.46 | -90.36 | -89.48 | -91.95 | -94.96 | -96.16 | -86.51 |
| Borimamide | -97.74 | -99.62 | -99.50 | -99.09 | -99.09 | -99.81 | -90.52 | -99.24 | -99.69 | -97.57 | -95.42 | -98.47 | -98.98 |
| Bromnitrofenidol | -86.63 | -71.63 | -41.98 | -65.71 | -74.14 | -57.66 | -91.36 | -75.32 | -85.67 | -88.72 | -96.63 | -77.35 | -37.05 |
| Acidum etidronicum | -99.83 | -99.35 | -99.72 | -99.90 | -99.79 | -99.19 | -99.15 | -99.79 | -99.27 | -99.76 | -99.94 | -99.65 | -99.90 |
| Colestipol | -99.31 | -99.73 | -99.67 | -99.73 | -99.63 | -99.83 | -99.04 | -99.76 | -99.79 | -98.63 | -97.99 | -99.72 | -99.60 |
| Mepiroxol | -24.49 | -46.13 | -23.47 | -73.91 | 19.51 | -69.49 | -1.04 | -34.66 | -15.77 | -44.62 | -58.76 | -28.39 | -48.65 |
| Meglutol | -84.89 | -93.60 | -88.13 | -86.84 | -68.04 | -85.63 | -95.66 | -87.81 | -82.57 | -96.54 | -95.21 | -92.20 | -93.04 |
| MTTA | 2.51 | -38.53 | -57.70 | -43.39 | -41.15 | -64.16 | -5.25 | -49.88 | -43.77 | -34.70 | -57.39 | -36.27 | -60.67 |
| Mapyroxal | -82.01 | -21.84 | -58.61 | -83.01 | -72.45 | -3.63 | -45.75 | -86.79 | -21.07 | -65.77 | -73.13 | -13.64 | -71.51 |
| Choline glycerophosphate | -99.87 | -99.93 | -99.98 | -98.51 | -99.66 | -98.68 | -99.99 | -100.0 | -99.97 | -99.82 | -99.95 | -99.98 | -99.54 |
| Acidum sultosilicum | -90.61 | -73.17 | -63.39 | -85.72 | -71.60 | -86.43 | -86.05 | -25.93 | -41.38 | -47.38 | -50.96 | -75.23 | -90.83 |
| Gemcadiol | -93.36 | -96.26 | -98.11 | -98.19 | -93.32 | -95.18 | -92.80 | -97.81 | -85.38 | -93.04 | -95.10 | -94.94 | -94.74 |
| Tiadenol | -91.80 | -91.00 | -98.72 | -97.96 | -98.02 | -94.95 | -14.06 | -96.05 | -96.82 | -90.22 | -96.29 | -96.53 | -96.79 |
| Pimetine hydrochloride | 73.09 | 65.05 | 57.42 | 36.77 | 77.01 | 78.10 | 66.65 | 65.20 | 43.70 | 72.27 | 53.70 | 73.91 | 79.81 |
| Trifluomeprazine | 94.67 | 90.99 | 84.68 | 85.53 | 95.96 | 95.60 | 80.15 | 76.31 | 92.82 | 87.76 | 91.02 | 91.09 | 83.52 |
| Triapride | -47.12 | -48.30 | -1.25 | -66.47 | -3.39 | -79.91 | -29.48 | 19.88 | 17.93 | 7.51 | -6.64 | -33.00 | -73.08 |
| Diclorpromazine | 77.08 | 56.60 | 42.09 | 63.83 | 80.12 | 86.41 | 69.14 | 56.74 | 76.73 | 74.72 | 79.00 | 67.57 | 86.27 |
| Penflunidol | 74.04 | 74.62 | 72.58 | 57.53 | 79.87 | 85.21 | 42.54 | 79.07 | 84.14 | 39.05 | 34.00 | 90.36 | 8.48 |
| Propanoic acid | -81.35 | -76.60 | -75.21 | -81.60 | -81.25 | -75.01 | -75.19 | -68.49 | -60.03 | -71.99 | -66.31 | -75.81 | -86.17 |
| N-hidroxymetil-N-metilurea | -96.78 | -99.00 | -98.56 | -96.71 | -98.37 | -99.48 | -90.18 | -98.82 | -98.59 | -98.16 | -97.01 | -96.45 | -98.82 |
| 5-fluorocitosicine | -83.33 | -83.62 | -88.13 | -88.55 | -93.20 | -83.66 | -89.11 | -83.30 | -90.71 | -97.65 | -93.31 | -86.65 | -88.93 |
| Bis(etilmercuri)sulfide | -85.70 | -79.64 | -86.82 | -68.20 | -92.37 | -90.58 | -94.73 | -82.28 | -89.73 | -99.97 | -99.36 | -87.41 | -93.53 |
| O,O dietil ditiofosfate | -99.04 | -93.99 | -95.26 | -96.68 | -94.84 | -98.71 | -87.05 | -98.57 | -97.39 | -94.22 | -97.78 | -97.76 | -97.05 |
| Bis(O-etiltiofosfono)disulfide | -99.96 | -99.42 | -99.84 | -99.65 | -99.13 | -99.91 | -99.59 | -99.86 | -99.96 | -99.93 | -99.98 | -99.52 | -99.58 |
| 5-bromo-2-metil-5nitro-1,3dioxane | -98.63 | -97.86 | -95.90 | -96.65 | -94.77 | -93.53 | -94.20 | -96.41 | -94.27 | -91.18 | -95.16 | -96.91 | -81.63 |
| Pentaclorofenol | -96.94 | -96.55 | -88.83 | -90.26 | -95.16 | -63.10 | -95.06 | -90.55 | -86.86 | -97.34 | -96.51 | -79.54 | -79.67 |
| 2,4,5 triclofenol | -58.17 | -74.67 | -54.93 | -61.21 | -60.73 | -25.86 | -61.57 | -64.48 | -54.97 | -78.29 | -77.51 | -50.24 | -43.88 |
| 2,6 dicloro-4-nitroaniline | -65.05 | -58.85 | -64.31 | -79.93 | -79.53 | -62.58 | -92.75 | -90.29 | -80.86 | -95.63 | -97.32 | -50.22 | -68.57 |

Anexo 2b. Cont.

| Nombre | ΔP% ^a | ΔP% ^b | ΔP% ^c | ΔP% ^d | ΔP% ^e | ΔP% ^f | ΔP% ^g | ΔP% ^h | ΔP% ⁱ | ΔP% ^j | ΔP% ^k | ΔP% ^l | ΔP% ^m |
|--|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 1,2 dibromo 1,3,4,5,6 pentaclorociclohexano | -99.93 | -99.97 | -99.12 | -98.03 | -95.75 | -95.41 | -91.64 | -98.30 | -97.80 | -98.06 | -98.56 | -97.74 | -84.41 |
| O,O dimetil-1-acetoxy 2,2,2 triclorometanefosfonate | -96.75 | -96.91 | -96.55 | -92.47 | -84.81 | -94.41 | -86.23 | -99.36 | -99.84 | -88.03 | -97.98 | -98.74 | -92.40 |
| Bis(dimetiltiocarbamoyl)disulfide (2-hidroxipropyl trimetilamonium hydroxide | -74.25 | -97.76 | -94.70 | -95.52 | -92.67 | -93.58 | -87.27 | -99.45 | -98.32 | -97.42 | -94.82 | -97.80 | -70.07 |
| 3,5 dibromosalicylaldehide | -96.40 | -98.69 | -99.11 | -97.14 | -92.95 | -96.87 | -96.37 | -99.41 | -96.90 | -98.00 | -97.39 | -98.64 | -92.82 |
| 3,4,5,6 tetrabromo-O-cresol | -45.86 | -57.71 | -52.88 | -26.50 | -20.64 | -50.63 | -82.75 | -38.40 | -16.95 | -42.17 | -45.31 | -73.05 | -8.90 |
| 2,4,6 tribromo-3-metilfenol | -99.59 | -97.15 | -83.18 | -59.60 | -85.12 | -93.94 | -98.75 | -78.12 | -51.45 | -81.69 | -79.27 | -95.05 | -75.28 |
| 2,4,6 tribromo-3-metilfenol | -84.48 | -82.90 | -55.91 | -36.68 | -61.33 | -83.26 | -80.09 | -37.82 | 0.97 | -62.71 | -58.58 | -82.12 | -56.75 |
| 5-etil-p-aminobenzenetiosulfonate | -85.20 | -84.11 | -85.86 | -86.70 | -68.59 | -92.91 | -51.31 | -67.81 | -94.93 | -58.13 | -54.36 | -78.75 | -80.49 |
| Azaguanine | -96.90 | -94.90 | -97.91 | -98.21 | -98.97 | -95.70 | -96.93 | -97.70 | -98.51 | -99.11 | -99.13 | -96.07 | -95.98 |
| Lost | -91.07 | -93.50 | -96.15 | -91.05 | -92.37 | -84.11 | -34.81 | -94.54 | -94.56 | -88.98 | -94.41 | -90.39 | -86.04 |
| Cystogon | -22.17 | -87.56 | -77.96 | -89.49 | -92.03 | -92.43 | 5.51 | -93.70 | -80.19 | -91.86 | -92.47 | -89.19 | -73.67 |
| Fluorembichin | -91.10 | -90.75 | -92.51 | -94.93 | -92.77 | -84.78 | -84.62 | -93.51 | -91.94 | -90.71 | -95.04 | -88.97 | -90.46 |
| Pyrimazid | -97.00 | -96.84 | -96.58 | -95.71 | -98.04 | -98.17 | -95.75 | -99.36 | -99.26 | -95.29 | -95.12 | -94.65 | -95.27 |
| Caracemide | -92.05 | -92.30 | -88.78 | -88.06 | -93.75 | -93.69 | -93.50 | -96.42 | -95.53 | -94.09 | -90.98 | -94.11 | -91.30 |
| Mitobronitol | -99.74 | -99.76 | -99.46 | -99.66 | -99.52 | -99.28 | -98.50 | -98.84 | -99.62 | -99.21 | -99.02 | -99.92 | -99.40 |
| Trimelaminum | -99.64 | -98.33 | -99.74 | -99.40 | -99.80 | -99.58 | -99.49 | -99.74 | -99.47 | -99.57 | -99.21 | -97.90 | -99.67 |
| DONU | -95.68 | -97.64 | -97.46 | -96.80 | -98.05 | -95.51 | -96.56 | -96.77 | -98.76 | -99.03 | -98.31 | -98.71 | -95.19 |
| Dinitolmide | 3.60 | 54.98 | 22.89 | 21.27 | -21.94 | 5.07 | -6.62 | -15.48 | 31.80 | -56.10 | -77.32 | 56.87 | -9.88 |
| Etimidin | -40.77 | -30.85 | -48.33 | -53.63 | -25.21 | -24.59 | -23.38 | 20.52 | -6.76 | -46.19 | -51.90 | 5.43 | 11.16 |
| Sufosfamide | -98.91 | -96.65 | -98.13 | -95.96 | -93.99 | -92.26 | -42.73 | -98.39 | -98.43 | -96.22 | -94.76 | -99.15 | -96.04 |
| Spiroplatin | -94.33 | -94.70 | -96.77 | -97.85 | -97.34 | -97.28 | -90.06 | -95.08 | -94.67 | -93.42 | -90.60 | -92.02 | -96.42 |
| Leucenol | -81.39 | -91.61 | -83.68 | -87.89 | -87.53 | -88.05 | -70.98 | -89.36 | -91.23 | -77.12 | -60.51 | -88.94 | -74.39 |
| Basidalin | 4.20 | -41.52 | -35.87 | -43.19 | -30.54 | -22.62 | -35.28 | -37.69 | -56.31 | -47.04 | -46.52 | -52.70 | -21.24 |
| Imrosulphan Hydrochloride | -98.88 | -94.94 | -96.92 | -88.90 | -95.45 | -97.94 | -97.08 | -97.86 | -94.39 | -97.07 | -97.83 | -99.65 | -97.37 |
| Novembitol | 46.64 | 57.63 | 51.09 | 59.28 | 33.31 | 53.40 | 66.84 | 48.40 | 51.74 | 48.94 | 45.18 | 64.96 | 26.61 |
| Pipobroman | -74.28 | -88.49 | -78.66 | -60.00 | -48.20 | -46.25 | -82.47 | -21.68 | -78.42 | -47.23 | 11.49 | -93.44 | -15.70 |
| Acesulfame | -95.16 | -84.00 | -92.69 | -29.54 | -98.44 | -81.37 | -97.63 | -92.69 | -93.72 | -97.44 | -97.75 | -94.19 | -96.34 |
| Cyclamic acid | -97.44 | -91.95 | -97.29 | -89.73 | -98.55 | -86.78 | -99.42 | -97.51 | -91.73 | -99.67 | -99.51 | -96.77 | -96.23 |
| Benzosulfimide | -70.04 | -68.22 | -66.55 | -74.67 | -74.17 | -64.38 | -51.01 | -42.23 | -40.77 | -29.14 | -41.45 | -58.18 | -77.09 |

Anexo 2b. Cont.

| Nombre | ΔP% ^a | ΔP% ^b | ΔP% ^c | ΔP% ^d | ΔP% ^e | ΔP% ^f | ΔP% ^g | ΔP% ^h | ΔP% ⁱ | ΔP% ^j | ΔP% ^k | ΔP% ^l | ΔP% ^m |
|--------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Melizame | -16.01 | -2.40 | -23.51 | -31.04 | -49.15 | -14.11 | -56.16 | -55.18 | -65.16 | -78.89 | -82.41 | -42.90 | 12.42 |
| Douxan | -26.68 | -17.32 | -18.50 | -51.27 | -60.21 | -35.01 | -59.88 | -66.90 | -62.08 | -59.95 | -63.82 | -30.81 | -37.09 |
| Phenetylurea | -35.66 | -5.02 | -5.50 | 0.65 | -10.73 | -9.44 | -41.59 | -46.41 | -10.06 | 43.14 | 41.66 | 9.95 | -27.77 |
| Ultrasweet | -28.23 | -24.52 | -30.84 | -63.41 | -63.33 | -36.65 | -65.28 | -75.09 | -70.14 | -76.60 | -74.88 | -44.66 | -34.98 |
| Isomalt | -99.96 | -99.97 | -99.95 | -99.99 | -99.99 | -99.99 | -99.75 | -99.88 | -99.97 | -99.94 | -99.85 | -99.99 | -99.99 |
| Metexamínium | -94.55 | -96.77 | -93.98 | -94.74 | -93.25 | -95.44 | -95.27 | -95.22 | -95.68 | -90.38 | -94.30 | -93.40 | -95.69 |
| ASL-7003 | -4.30 | -13.99 | -14.34 | -24.82 | -29.40 | -4.30 | -20.64 | -46.11 | -50.18 | -54.65 | -38.53 | -32.23 | -16.26 |
| Solution A 40 | -6.09 | 4.24 | -23.26 | -48.40 | -49.95 | -15.93 | -13.17 | -32.09 | -28.40 | -35.44 | -25.86 | -19.72 | -19.23 |
| Amidefrini mesilas | -53.11 | -47.29 | -45.95 | -61.70 | -51.83 | -63.38 | -64.33 | -89.65 | -62.05 | -43.35 | -70.12 | -85.23 | -75.85 |
| Proxamine | -24.34 | -14.80 | -13.03 | -34.72 | -40.94 | -41.03 | -19.81 | -48.74 | -13.22 | -5.76 | -29.77 | -8.79 | -30.72 |
| Phedrazine | 28.91 | 68.91 | 72.32 | 67.85 | 16.30 | 34.90 | 69.60 | 51.67 | 27.92 | 42.41 | 43.06 | 84.81 | 31.02 |
| Isomylamine | -43.81 | -41.98 | -29.01 | -54.22 | -48.28 | -30.06 | -35.10 | -65.96 | -23.85 | -53.55 | -71.83 | -60.82 | -37.50 |
| Hexatolin | -90.69 | -99.32 | -99.59 | -97.09 | -77.63 | -94.30 | -92.05 | -99.81 | -97.08 | -99.15 | -84.86 | -99.46 | -63.94 |
| Cypentil | -79.36 | -79.85 | -88.56 | -92.51 | -89.63 | -82.87 | -72.21 | -77.23 | -79.37 | -76.59 | -78.62 | -75.65 | -83.88 |
| Dimebamate | -98.72 | -99.45 | -99.29 | -98.88 | -96.58 | -98.32 | -98.07 | -98.72 | -96.96 | -98.55 | -77.79 | -99.04 | -96.88 |
| Emylcamate | -92.87 | -87.78 | -81.25 | -81.40 | -85.03 | -87.98 | -91.56 | -91.91 | -77.21 | -88.67 | -86.06 | -89.63 | -92.70 |
| Silamprobamate | -95.90 | -98.31 | -75.60 | -98.19 | -98.15 | -95.27 | -94.63 | -99.58 | -98.50 | -99.79 | -96.47 | -99.40 | -99.07 |
| Tizanidine hydrochloride | -61.97 | -84.63 | -92.65 | -90.90 | -84.11 | -49.28 | -86.10 | -93.53 | -97.39 | -84.83 | -66.30 | -79.33 | -27.18 |
| Chlorphenesin carbamate | -59.73 | -70.15 | -57.87 | -68.96 | -46.86 | -57.40 | -61.48 | -53.92 | -51.50 | -44.18 | -6.06 | -53.39 | -57.12 |
| Glyketal | -82.00 | -67.54 | -74.54 | -87.26 | -85.76 | -82.07 | -70.94 | -80.30 | -55.50 | -53.79 | -78.06 | -87.66 | -86.86 |
| Mephenesin carbamate | -34.87 | -18.04 | -7.37 | -19.72 | -17.78 | -24.84 | -2.03 | 18.98 | 4.54 | 6.29 | 46.71 | 5.42 | -35.55 |
| Methocarbamol | -58.84 | -38.87 | -33.78 | -56.19 | -54.16 | -53.93 | -32.06 | -35.67 | -47.85 | -30.89 | 5.32 | -29.61 | -53.16 |
| Murexine | -29.40 | -78.59 | -87.55 | -77.32 | -12.18 | -47.83 | -62.31 | -94.45 | -83.61 | -80.25 | -79.96 | -89.58 | 4.38 |
| Carisoprodol | -97.03 | -99.06 | -97.73 | -96.84 | -93.11 | -96.62 | -97.40 | -98.59 | -96.89 | -98.73 | -84.00 | -98.80 | -95.53 |
| Tybamate | -96.44 | -98.24 | -97.66 | -97.15 | -95.37 | -95.48 | -96.34 | -99.19 | -96.13 | -99.14 | -87.88 | -98.78 | -94.87 |
| Acetylcholine | -86.80 | -95.63 | -95.92 | -92.47 | -73.93 | -89.37 | -89.15 | -98.16 | -89.69 | -89.59 | -93.25 | -97.43 | -78.59 |
| Carmecolina cloruro | -97.84 | -98.93 | -99.22 | -97.17 | -91.71 | -97.28 | -98.11 | -99.91 | -96.96 | -98.54 | -98.54 | -99.61 | -93.56 |
| Furtrethonium iodide | -41.55 | -70.02 | -81.31 | -63.33 | -15.84 | -56.98 | -55.67 | -83.67 | -59.74 | -54.43 | -74.59 | -68.81 | 2.55 |
| Dithiophos | -99.31 | -91.30 | -96.80 | -98.69 | -98.02 | -96.21 | -87.01 | -99.50 | -99.40 | -96.07 | -99.15 | -97.26 | -97.70 |
| Pyrophos | -99.24 | -94.89 | -96.21 | -98.90 | -97.94 | -89.92 | -95.61 | -99.45 | -99.77 | -94.32 | -97.40 | -98.09 | -97.65 |

Anexo 2b. Cont.

| Nombre | ΔP% ^a | ΔP% ^b | ΔP% ^c | ΔP% ^d | ΔP% ^e | ΔP% ^f | ΔP% ^g | ΔP% ^h | ΔP% ⁱ | ΔP% ^j | ΔP% ^k | ΔP% ^l | ΔP% ^m |
|---------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Bamethan sulfate | -11.85 | 2.74 | -19.28 | -34.08 | -42.10 | -15.09 | -40.09 | -51.27 | -41.73 | -54.33 | -49.15 | -24.66 | -43.21 |
| Varon | -17.81 | 19.76 | 9.67 | -6.31 | -46.67 | -35.73 | -35.95 | -80.84 | -45.85 | -42.47 | -62.23 | 18.13 | -47.81 |
| Dimetofrine hydrochloride | -62.02 | -17.24 | -41.58 | -49.43 | -84.32 | -65.31 | -65.78 | -89.89 | -75.63 | -79.96 | -82.57 | -28.38 | -72.82 |
| Isofenefrine | -20.31 | -28.16 | -21.48 | -26.20 | -27.50 | -28.54 | -51.04 | -43.34 | -43.31 | -45.59 | -43.14 | -36.20 | -47.13 |
| Dioxethedrin | -54.36 | -45.23 | -44.16 | -53.57 | -71.05 | -53.16 | -70.77 | -69.82 | -64.71 | -78.63 | -68.30 | -60.84 | -70.65 |
| Phenylethanolamine | 7.50 | 7.89 | 7.62 | -11.95 | -17.78 | -11.73 | -9.20 | -58.27 | -19.52 | -10.37 | -19.63 | 1.02 | -30.00 |
| Octopamine | -32.60 | -32.83 | -36.64 | -47.20 | -54.49 | -46.88 | -50.61 | -82.17 | -58.57 | -61.89 | -62.58 | -46.08 | -58.72 |
| Dopamine | -42.30 | -36.44 | -45.18 | -48.05 | -63.62 | -47.46 | -56.30 | -75.20 | -62.49 | -76.74 | -66.64 | -49.07 | -57.10 |
| Norepinephrine | -65.62 | -61.82 | -71.28 | -73.71 | -82.88 | -71.47 | -75.60 | -91.58 | -81.75 | -88.09 | -84.68 | -75.02 | -78.25 |
| Pacamine | -89.28 | -87.09 | -87.93 | -91.36 | -92.50 | -90.13 | -90.02 | -93.28 | -91.12 | -83.41 | -91.43 | -86.75 | -92.78 |
| DIHNE | -98.29 | -98.33 | -97.73 | -82.58 | -86.36 | -98.93 | -99.95 | -97.86 | -90.86 | -83.55 | -85.99 | -98.56 | -94.41 |
| Adrenaline borate | -66.65 | -20.52 | -73.17 | -63.27 | -86.39 | -76.57 | -91.25 | -99.41 | -82.69 | -84.98 | -85.55 | -76.68 | -87.18 |
| Norephedrine | -3.61 | -25.97 | 2.46 | -18.91 | -9.74 | -19.65 | -25.09 | -47.49 | -37.64 | -2.05 | -17.53 | -9.13 | -33.89 |
| Metaraminol | -42.00 | -59.68 | -43.90 | -51.46 | -48.41 | -52.43 | -61.41 | -76.24 | -70.61 | -58.20 | -64.16 | -53.78 | -61.26 |
| Synephrine | -13.62 | -0.46 | -20.47 | -33.62 | -44.66 | -25.92 | -47.05 | -77.88 | -47.82 | -47.01 | -50.26 | -34.25 | -44.03 |
| Deoxyadrenaline | -22.40 | -3.29 | -29.02 | -35.87 | -55.99 | -26.99 | -50.72 | -80.84 | -49.26 | -67.41 | -62.30 | -39.82 | -42.12 |
| Ephinephrine | -52.64 | -36.77 | -61.46 | -65.39 | -78.35 | -57.41 | -74.10 | -90.22 | -76.09 | -83.44 | -79.22 | -69.16 | -69.18 |
| Isomethcptene | -74.38 | -70.30 | -55.50 | -52.53 | -72.16 | -78.88 | -72.69 | -77.91 | -59.91 | -57.76 | -69.98 | -44.90 | -81.49 |
| Cyclopentamine | -76.28 | -74.50 | -78.00 | -84.16 | -83.07 | -78.80 | -73.82 | -75.95 | -77.87 | -58.65 | -76.89 | -60.76 | -82.35 |
| Homorenon | -13.08 | -0.30 | -22.87 | -33.96 | -47.03 | -21.40 | -35.85 | -23.99 | -33.48 | -45.02 | -14.11 | -31.48 | -24.48 |
| Oxyephedrine | -15.01 | -7.48 | -3.47 | -25.53 | -36.28 | -24.42 | -42.95 | -63.26 | -46.83 | -38.79 | -41.09 | -19.48 | -44.79 |
| Dioxifedrine | -53.75 | -42.77 | -49.59 | -60.22 | -74.23 | -56.40 | -72.28 | -83.57 | -75.57 | -80.79 | -75.05 | -60.86 | -69.64 |
| Methyladrenaline | -48.21 | -46.31 | -63.43 | -64.60 | -61.31 | -34.98 | -75.07 | -80.63 | -74.43 | -82.99 | -84.21 | -71.02 | -45.16 |
| Para-Aminoephedrine | -37.68 | -53.65 | -34.55 | -52.11 | -55.48 | -49.04 | -58.60 | -80.35 | -80.16 | -46.75 | -43.22 | -39.39 | -56.60 |
| Dichlorisoprenaline | -54.41 | -74.87 | -47.34 | -44.84 | -45.39 | -48.63 | -82.44 | -69.64 | -53.10 | -61.74 | -59.99 | -33.93 | -58.88 |
| Bufeniode | -1.09 | 22.79 | 43.21 | 89.06 | 82.15 | -12.28 | -95.55 | 69.44 | 75.90 | 81.28 | 78.29 | -14.75 | 35.92 |
| Dinoprost | -36.03 | 6.85 | -2.30 | -9.52 | -28.32 | -9.18 | -39.09 | 22.34 | -2.68 | -26.79 | -36.03 | -22.18 | -74.45 |
| Sulocitidil | 21.53 | 16.92 | -36.43 | 20.12 | 1.92 | -8.91 | 6.48 | -31.06 | -1.63 | 20.95 | -21.26 | 20.85 | -38.79 |
| Tipropidil hydrochloride | -16.71 | -23.68 | -75.12 | -48.06 | -44.61 | -58.39 | -7.91 | -66.28 | -47.41 | -5.33 | -39.76 | -40.74 | -57.17 |
| Cinepazide maleate | 85.18 | 89.60 | 91.74 | 84.38 | 83.95 | 86.88 | 95.95 | 95.05 | 76.82 | 88.01 | 90.75 | 96.31 | 94.10 |

Anexo 2b. Cont.

| Nombre | ΔP% ^a | ΔP% ^b | ΔP% ^c | ΔP% ^d | ΔP% ^e | ΔP% ^f | ΔP% ^g | ΔP% ^h | ΔP% ⁱ | ΔP% ^j | ΔP% ^k | ΔP% ^l | ΔP% ^m |
|--------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Iprocrololhydrochloride | -24.71 | 16.20 | -43.58 | -22.16 | -56.42 | -12.34 | 16.52 | -4.40 | 37.58 | 22.35 | 14.53 | -18.22 | 28.98 |
| Acebutolol hydrochloride | -22.62 | -30.38 | -19.85 | -2.99 | -2.00 | -37.36 | -28.40 | 27.95 | -12.77 | 53.38 | 61.04 | -0.60 | -33.83 |
| Penbutolol sulfate | 24.54 | -3.27 | 10.84 | 13.88 | 45.19 | 2.22 | 16.43 | 24.75 | 36.59 | 50.88 | 36.61 | 31.70 | 11.46 |
| Betaxolol | 20.02 | 8.02 | 16.16 | -24.99 | 10.60 | -6.46 | 19.33 | 7.68 | 9.12 | 45.67 | 32.09 | 24.40 | -1.85 |
| Cicloprolol | -13.53 | -17.82 | -17.28 | -63.91 | -28.57 | -43.24 | -4.07 | -35.85 | -26.29 | 34.21 | 14.53 | -30.02 | -21.27 |
| Bisoprolol fumarate | -39.58 | -42.06 | -29.58 | -61.79 | -38.28 | -61.89 | -43.86 | -23.58 | -40.08 | 35.18 | 17.84 | -28.95 | -57.66 |
| Pafenolol | -71.58 | -82.77 | -62.13 | -59.71 | -47.74 | -81.20 | -74.53 | -83.70 | -82.03 | -48.33 | -4.47 | -64.42 | -78.11 |
| Butocrolol | -35.45 | -28.06 | -61.01 | -30.62 | -40.83 | -32.07 | -3.58 | -33.82 | 28.98 | 22.15 | -0.03 | -47.72 | 27.96 |
| Carpindolol | -9.97 | -55.10 | -35.82 | -43.15 | 1.83 | -26.34 | -11.00 | -42.74 | 11.34 | 86.90 | 80.46 | -31.95 | 32.39 |
| Celiprolol | -44.50 | -74.37 | -46.15 | -14.87 | 2.96 | -57.31 | -55.33 | -5.95 | -39.22 | 32.17 | 50.42 | -24.35 | -44.51 |
| Pirepolol | 25.09 | -29.83 | -7.62 | 22.20 | -61.00 | -29.63 | 2.74 | -68.04 | -64.94 | -41.04 | 35.38 | -18.43 | -8.63 |
| Teoprolol | 70.86 | -7.98 | 6.16 | 81.47 | 26.29 | 61.21 | 78.66 | 27.09 | 15.22 | 60.60 | 79.10 | 69.58 | 79.79 |
| Carbazeran | 31.47 | 54.85 | 51.87 | 44.01 | 11.69 | 48.89 | 67.35 | 75.55 | 45.89 | 47.66 | 79.90 | 87.56 | 45.99 |
| Cassaidine | 41.42 | 52.95 | 77.81 | 85.50 | 67.58 | 43.31 | 40.77 | 39.35 | 61.88 | 21.91 | -14.84 | 44.07 | 15.33 |
| Asame | -95.32 | -97.77 | -94.09 | -96.33 | -93.03 | -96.49 | -98.83 | -95.74 | -95.26 | -97.53 | -95.17 | -98.56 | -97.16 |
| Ovalicin | 0.29 | 54.66 | 82.60 | 51.57 | 12.63 | -10.37 | 65.45 | 61.91 | 61.87 | 56.01 | 41.93 | 20.79 | 29.16 |
| Orazamide | -94.51 | -94.97 | -96.77 | -95.93 | -97.42 | -93.57 | -94.87 | -96.42 | -97.32 | -97.11 | -93.00 | -95.13 | -94.23 |
| Homocysteine thiolactone | -72.47 | -92.96 | -91.14 | -94.83 | -90.43 | -92.96 | -53.79 | -84.83 | -93.54 | -83.04 | -75.57 | -89.59 | -85.57 |
| Tioliacic | -94.32 | -96.12 | -93.19 | -96.54 | -94.47 | -95.22 | -88.47 | -87.15 | -93.67 | -92.41 | -89.86 | -96.30 | -93.67 |
| Oxomethionine sodium | -91.27 | -92.24 | -92.49 | -95.89 | -94.74 | -92.02 | -80.80 | -95.96 | -94.24 | -96.64 | -97.25 | -98.07 | -93.91 |
| Nicoxamat | -9.69 | -6.16 | -25.77 | -28.86 | -30.63 | -15.62 | -30.65 | -59.17 | -54.84 | -53.84 | -61.64 | -29.70 | -20.75 |
| Citiolone | -45.56 | -75.41 | -70.04 | -73.35 | -60.14 | -77.53 | -35.66 | -37.97 | -68.17 | -39.16 | -33.34 | -74.57 | -64.54 |
| Acidum metioformicum | -82.19 | -96.27 | -94.94 | -92.92 | -89.87 | -98.91 | -95.59 | -95.30 | -98.94 | -89.48 | -88.83 | -98.34 | -90.65 |
| Methioninol | -95.71 | -96.01 | -96.90 | -97.73 | -97.46 | -96.69 | -91.59 | -98.89 | -97.66 | -97.14 | -97.75 | -98.96 | -97.46 |
| Orotosan S | -68.60 | -83.55 | -82.08 | -71.31 | -63.02 | -62.15 | -85.84 | -92.51 | -89.68 | -94.49 | -89.52 | -82.32 | -65.50 |
| Ethyl glutamate | -91.60 | -96.09 | -89.98 | -94.60 | -92.18 | -94.02 | -86.74 | -87.72 | -92.13 | -75.77 | -49.66 | -94.60 | -95.02 |
| Succinyl-Methionine | -88.96 | -92.73 | -89.72 | -91.30 | -82.55 | -88.88 | -80.69 | -88.41 | -91.74 | -85.50 | -81.49 | -97.67 | -91.68 |
| Alibendol | 10.96 | 38.24 | -9.66 | 5.92 | -25.91 | 20.99 | 3.44 | -34.16 | 6.95 | 1.49 | 17.23 | 37.44 | -2.56 |
| Arifen | -99.60 | -99.67 | -98.99 | -96.90 | -94.90 | -99.46 | -99.19 | -98.65 | -99.48 | -91.67 | -98.48 | -97.56 | -99.70 |
| Fluopsin C | -79.31 | -92.81 | -91.30 | -94.08 | -94.38 | -93.28 | -78.41 | -96.64 | -95.46 | -94.75 | -96.59 | -93.82 | -88.64 |

Anexo 2b. Cont.

| Nombre | $\Delta P\%^a$ | $\Delta P\%^b$ | $\Delta P\%^c$ | $\Delta P\%^d$ | $\Delta P\%^e$ | $\Delta P\%^f$ | $\Delta P\%^g$ | $\Delta P\%^h$ | $\Delta P\%^i$ | $\Delta P\%^j$ | $\Delta P\%^k$ | $\Delta P\%^l$ | $\Delta P\%^m$ |
|--------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Mefuralazine | -32.54 | 14.17 | -40.19 | -68.68 | -55.34 | -48.28 | -55.97 | -87.48 | -52.05 | -70.94 | -73.66 | -20.76 | -19.46 |
| Tio-Urasin | -97.13 | -97.19 | -99.31 | -98.23 | -96.65 | -98.98 | -98.52 | -96.57 | -95.66 | -98.53 | -99.28 | -97.87 | -97.77 |
| Cycloserine | -95.41 | -98.34 | -96.06 | -98.20 | -97.37 | -97.79 | -92.69 | -95.35 | -98.33 | -94.08 | -93.98 | -96.84 | -95.18 |
| Cryptargol | -94.62 | -92.48 | -97.27 | -94.63 | -97.68 | -96.16 | -99.38 | -98.62 | -98.09 | -99.79 | -99.87 | -99.12 | -97.87 |
| Bromamphenicol | -93.10 | -72.18 | -66.39 | -64.18 | -65.36 | -72.59 | -80.42 | -92.58 | -92.57 | -81.45 | -84.00 | -95.25 | -50.73 |
| Fosfomycin | -94.58 | -83.61 | -78.91 | -97.49 | -95.63 | -86.18 | -88.91 | -91.54 | -70.86 | -94.47 | -97.27 | -92.91 | -95.07 |
| Eminycin | -65.86 | -68.70 | -72.49 | -84.78 | -46.05 | -89.31 | -61.03 | -62.04 | -74.29 | -75.64 | -79.17 | -75.62 | -63.28 |
| Enheptin-P | -83.90 | -79.53 | -82.75 | -93.46 | -89.32 | -86.11 | -89.26 | -92.70 | -93.06 | -95.08 | -95.83 | -84.86 | -78.88 |
| Selectan | -78.85 | -71.05 | -72.63 | -49.82 | -40.31 | -74.61 | -85.48 | -53.10 | -48.77 | -50.10 | -54.98 | -83.91 | -42.97 |
| Chloramphenicol | -68.89 | -57.14 | -50.59 | -66.10 | -65.89 | -61.90 | -70.18 | -88.87 | -85.60 | -79.58 | -84.27 | -69.31 | -58.57 |
| Azaserine | -94.87 | -97.74 | -95.95 | -98.09 | -95.86 | -97.74 | -95.15 | -95.21 | -97.59 | -96.49 | -96.22 | -97.38 | -93.27 |
| Contramine 'B | -79.89 | -93.32 | -86.99 | -83.28 | -87.19 | -97.82 | -89.95 | -90.98 | -96.21 | -89.06 | -88.44 | -96.44 | -89.91 |
| Phosphinothricin | -95.72 | -98.15 | -88.35 | -98.41 | -96.21 | -96.19 | -89.60 | -96.71 | -92.53 | -91.81 | -96.17 | -99.12 | -98.78 |
| Alafosfalin | -99.46 | -99.65 | -98.59 | -99.68 | -98.98 | -99.29 | -98.14 | -99.25 | -99.36 | -97.39 | -97.95 | -99.50 | -99.60 |
| Selectan-neutral | -64.82 | -67.90 | -67.58 | -6.01 | -6.94 | -62.35 | -19.96 | -39.65 | -7.71 | -18.28 | -13.81 | -65.23 | -12.09 |
| F-8 | -95.30 | -98.77 | -96.85 | -90.62 | -86.74 | -99.22 | -91.99 | -97.57 | -99.66 | -97.77 | -98.60 | -96.81 | -90.29 |
| Iodosil-Tabl | -95.50 | -98.31 | -97.84 | -98.05 | -94.82 | -98.36 | -97.39 | -97.74 | -94.88 | -90.07 | -88.76 | -98.80 | -93.33 |
| Zinc sulfanilate | -81.16 | -86.88 | -84.26 | -93.57 | -80.63 | -82.34 | -89.44 | -87.20 | -87.15 | -80.60 | -78.96 | -87.49 | -79.68 |
| Furaguanidine | -96.76 | -96.80 | -94.00 | -95.03 | -91.89 | -96.76 | -97.96 | -99.30 | -98.40 | -98.49 | -98.67 | -95.64 | -89.33 |
| Arsanic acid | -89.31 | -92.94 | -73.17 | -93.69 | -55.67 | -93.04 | 21.77 | -87.47 | -86.79 | -65.18 | -61.11 | 76.71 | -99.15 |
| Sulfanilamide | -64.95 | -92.64 | -83.01 | -92.43 | -72.74 | -84.46 | -62.57 | -82.74 | -67.91 | -83.68 | -81.58 | -74.03 | -46.22 |
| Bismuth Cevitamate | -96.50 | -97.12 | -96.40 | -98.86 | -98.28 | -97.86 | -94.78 | -94.75 | -96.54 | -98.11 | -97.13 | -98.52 | -97.99 |
| Allicin | -18.98 | -42.77 | -59.19 | -75.26 | -61.60 | -55.57 | -16.86 | -65.54 | -74.72 | -63.45 | -75.56 | -81.95 | -28.25 |

$\Delta P\%_{a,b,c,d,e,f,g,h,i,j,k,l,m}$ las letras **a-m** representa los modelos discriminantes 4.1 a 4.13 respectivamente.

Anexo 2c. Resultados de la clasificación de los compuestos activos en la SP

| Name* | ΔP% ^a | ΔP% ^b | ΔP% ^c | ΔP% ^d | ΔP% ^e | ΔP% ^f | ΔP% ^g | ΔP% ^h | ΔP% ⁱ | ΔP% ^j | ΔP% ^k | ΔP% ^l | ΔP% ^m |
|-----------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 0010 Choline | -95.61 | -98.05 | -98.95 | -97.55 | -93.77 | -96.03 | -95.81 | -99.41 | -96.93 | -97.92 | -97.27 | -97.95 | -92.87 |
| 0015 Abbott 29590 | 12.20 | 22.05 | 5.26 | -19.26 | -2.65 | 17.48 | 21.18 | 16.91 | -14.18 | 19.36 | 7.24 | -18.43 | 23.19 |
| 0022 Fosfosal | -96.15 | -82.23 | -86.91 | -96.83 | -93.61 | -64.29 | -94.28 | -94.01 | -62.83 | -95.75 | -92.88 | -92.11 | -94.56 |
| 0029 Solvat 14 | 94.31 | 81.84 | 81.79 | 82.73 | 49.36 | 83.05 | 63.43 | 65.19 | 62.10 | 51.79 | 56.55 | 53.88 | 72.29 |
| 0030 Hydroxytolvic Acid | 39.98 | 64.83 | 40.27 | 54.40 | 27.60 | 64.18 | 36.11 | 57.70 | 62.62 | 13.68 | 28.40 | 46.81 | 24.60 |
| 0034 Paracetamol | 28.72 | 23.59 | 32.68 | 29.24 | 35.92 | 35.54 | 9.81 | 45.69 | 14.77 | 51.87 | 38.91 | 17.90 | 13.71 |
| 0043 Acetosal | 71.30 | 76.90 | 64.95 | 73.74 | 74.24 | 75.61 | 53.72 | 88.45 | 83.14 | 88.15 | 81.75 | 70.40 | 54.49 |
| 0052 Tetridamine | -28.52 | 31.63 | -1.90 | 27.54 | -52.60 | -18.14 | 33.10 | 20.09 | 4.24 | -19.92 | -0.65 | 46.51 | -22.30 |
| 0056 W 2429 | 31.78 | 41.96 | 28.50 | 27.61 | -4.60 | 27.53 | 42.87 | 53.09 | 38.56 | -22.90 | -2.67 | 25.35 | 39.16 |
| 0061 Chlorthenoxazine | 57.68 | 52.40 | 25.61 | 31.96 | 39.57 | 66.56 | 57.75 | 55.47 | 32.01 | 62.74 | 58.80 | 45.34 | 60.23 |
| 0068 Diacetamate | 68.51 | 63.37 | 74.12 | 76.50 | 81.37 | 65.38 | 51.99 | 92.25 | 76.24 | 96.33 | 92.23 | 72.58 | 52.98 |
| 0076 Lopirin | 22.17 | 14.72 | 6.83 | 12.64 | 19.60 | 30.50 | -13.00 | 39.51 | -5.16 | 17.04 | 27.96 | 16.38 | 12.07 |
| 0086 Hexahydrothymol | -71.01 | -64.27 | -63.96 | -74.34 | -72.72 | -64.98 | -69.16 | -54.68 | -55.67 | -66.47 | -79.44 | -54.19 | -78.84 |
| 0089 Fenclozic Acid | 88.97 | 64.67 | 68.87 | 65.03 | 84.50 | 80.44 | 62.35 | 69.35 | 76.17 | 78.37 | 74.66 | 61.86 | 64.24 |
| 0096 Tylamarin | 89.52 | 90.12 | 87.94 | 90.42 | 91.01 | 90.41 | 81.09 | 95.83 | 93.23 | 96.79 | 95.39 | 90.05 | 80.19 |
| 0100 Trichloroisdoutyl Salicylate | 19.10 | -33.77 | -18.38 | -1.07 | 43.56 | -0.43 | 88.79 | -21.85 | -48.30 | 38.31 | 41.91 | -51.08 | 29.95 |
| 0102 Metamfazone | 75.08 | 55.00 | 69.87 | 71.86 | 78.61 | 67.14 | 71.03 | 55.06 | 34.53 | 66.49 | 67.70 | 36.73 | 77.94 |
| 0111 4-Aminophenazone | 57.71 | 52.58 | 70.98 | 60.98 | 47.49 | 51.64 | 72.17 | 59.14 | 25.80 | 60.45 | 65.35 | 54.62 | 59.83 |
| 0116 Fopirtoline | -10.02 | -24.74 | -44.80 | -58.09 | -26.29 | -16.57 | 5.11 | 9.71 | -29.26 | -10.54 | -29.26 | -13.02 | 15.97 |
| 0122 Lactylphenetidin | 6.32 | 23.55 | 37.52 | 11.37 | -1.24 | 7.98 | 14.27 | 27.54 | 19.24 | 69.24 | 60.25 | 27.34 | -4.93 |
| 0135 SQ 20650 | 91.93 | 92.47 | 90.97 | 89.78 | 92.97 | 93.19 | 89.85 | 96.35 | 94.63 | 94.73 | 96.04 | 93.45 | 87.36 |
| 0140 Detomidine | 93.08 | 95.73 | 95.67 | 96.46 | 93.16 | 94.55 | 93.57 | 95.77 | 96.22 | 86.97 | 89.15 | 94.99 | 90.00 |
| 0141 Diproqualone Camsilate | 49.55 | 30.23 | 12.65 | 39.82 | 43.36 | 43.71 | 46.03 | 27.42 | 65.01 | 64.26 | 62.49 | 55.87 | 17.93 |
| 0150 Thiaminthiazolone | 10.53 | -12.71 | -17.99 | 23.85 | -18.52 | -36.57 | 46.73 | -15.45 | -4.21 | -37.23 | -25.47 | -13.08 | -26.41 |
| 0151 Ibufenac | 75.81 | 80.11 | 77.78 | 83.40 | 84.90 | 81.95 | 42.11 | 84.72 | 87.95 | 83.19 | 75.78 | 86.09 | 57.44 |
| 0157 Carisoprodol | -97.16 | -99.09 | -97.54 | -95.18 | -93.95 | -97.04 | -95.00 | -97.35 | -94.88 | -97.53 | -74.54 | -97.89 | -95.53 |
| 0163 Phenylis Salicylas | 98.53 | 98.35 | 97.71 | 95.97 | 97.61 | 98.41 | 96.38 | 95.10 | 95.02 | 93.86 | 94.39 | 89.12 | 97.70 |
| 0170 Tenoxicam | -80.80 | -59.88 | -73.77 | 66.15 | -65.56 | -68.86 | -3.87 | -25.81 | -67.42 | 7.87 | 12.15 | -60.82 | -76.88 |
| 0171 Diodacetyl | -47.68 | -59.49 | -46.55 | 79.36 | 81.16 | -76.39 | -99.90 | 98.64 | 77.22 | 98.50 | 94.94 | 21.14 | -15.88 |
| 0177 Octazamide | 92.17 | 82.60 | 81.15 | 54.72 | 86.68 | 89.76 | 90.35 | 82.43 | 75.77 | 84.14 | 83.62 | 83.76 | 92.88 |

Anexo 2c. Cont.

| Name* | ΔP% ^a | ΔP% ^b | ΔP% ^c | ΔP% ^d | ΔP% ^e | ΔP% ^f | ΔP% ^g | ΔP% ^h | ΔP% ⁱ | ΔP% ^j | ΔP% ^k | ΔP% ^l | ΔP% ^m |
|-------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 0183 Aminophenazone | 70.75 | 86.39 | 89.43 | 89.99 | 80.70 | 76.41 | 84.34 | 86.43 | 77.43 | 79.72 | 68.15 | 87.28 | 81.56 |
| 0189 Procaine | 24.04 | -3.52 | 21.32 | -10.52 | 14.28 | 28.72 | 4.75 | 20.08 | -26.77 | 13.39 | 25.17 | 10.58 | 19.54 |
| 0203 Diclofenac Sodium | 91.98 | 86.63 | 87.88 | 89.17 | 91.50 | 96.15 | 83.26 | 88.45 | 84.44 | 90.88 | 92.96 | 85.33 | 91.38 |
| 0208 Paracetamol Nicotinate | 97.26 | 95.47 | 96.28 | 94.76 | 98.09 | 96.37 | 93.09 | 95.34 | 92.65 | 97.78 | 97.07 | 87.18 | 96.69 |
| 0209 Suprofen | 97.33 | 96.69 | 95.43 | 95.96 | 96.10 | 96.48 | 97.35 | 93.91 | 95.95 | 96.90 | 97.59 | 93.00 | 94.30 |
| 0223 Acequinoline | 90.58 | 94.79 | 95.67 | 96.06 | 91.27 | 93.30 | 96.49 | 97.37 | 98.13 | 97.78 | 96.59 | 97.28 | 91.32 |
| 0227 Pronedol | 91.06 | 92.04 | 95.08 | 92.64 | 93.03 | 92.13 | 91.25 | 96.50 | 91.26 | 97.25 | 95.95 | 96.34 | 88.67 |
| 0233 Parsalmide | 57.21 | 42.19 | 23.58 | 52.59 | 30.22 | 57.94 | 32.72 | 6.06 | -2.35 | 5.11 | 32.63 | 28.97 | 62.78 |
| 0239 Ramifenazone | 63.92 | 68.35 | 80.81 | 82.93 | 71.39 | 60.47 | 64.57 | 77.96 | 64.83 | 74.05 | 69.13 | 72.04 | 67.03 |
| 0241 Butibufen | 78.84 | 87.32 | 86.82 | 88.73 | 84.33 | 86.87 | 57.66 | 92.05 | 91.32 | 86.10 | 85.41 | 93.42 | 61.37 |
| 0249 Delfantrine | -91.38 | -97.98 | -96.64 | -86.27 | -72.01 | -92.14 | -7.47 | -90.64 | -96.73 | -39.50 | -50.88 | -71.91 | -78.36 |
| 0251 CGA 1 | -20.27 | -33.64 | 32.19 | 4.36 | -13.49 | -35.93 | 31.10 | 7.14 | -25.34 | 14.44 | 33.11 | 19.11 | -3.59 |
| 0261 Fenopirazonum | 99.45 | 99.16 | 99.16 | 98.68 | 99.24 | 99.34 | 98.01 | 97.26 | 96.58 | 97.86 | 97.55 | 95.14 | 99.21 |
| 0267 Fluprofen | 98.82 | 99.00 | 99.26 | 98.91 | 98.79 | 99.27 | 98.74 | 98.55 | 99.09 | 98.77 | 98.98 | 98.88 | 98.10 |
| 0272 Acetaminosalol | 97.60 | 96.67 | 96.55 | 96.62 | 97.81 | 97.59 | 93.30 | 96.20 | 93.20 | 97.41 | 97.29 | 87.64 | 96.50 |
| 0280 Fenoprofen | 98.69 | 99.15 | 99.16 | 98.51 | 98.74 | 98.84 | 98.57 | 98.18 | 98.53 | 98.81 | 98.99 | 97.66 | 98.07 |
| 0303 hexaprofen | 91.59 | 95.98 | 95.03 | 94.29 | 91.18 | 95.36 | 91.18 | 97.27 | 97.46 | 93.90 | 94.78 | 97.64 | 82.82 |
| 0308 Tolpronine Hydrochloride | 74.88 | 81.63 | 81.89 | 71.36 | 72.46 | 76.14 | 86.46 | 89.56 | 81.92 | 81.42 | 77.18 | 84.08 | 77.57 |
| 0315 Ciamadol | 44.47 | 51.37 | 39.09 | 33.39 | 38.03 | 54.77 | 20.70 | 19.58 | 25.40 | 15.66 | -4.43 | 53.45 | 36.41 |
| 0316 Prosultiamine | -41.93 | -51.60 | -59.90 | -22.98 | -68.04 | -63.42 | 49.48 | -79.16 | -60.27 | -81.59 | -77.18 | -69.07 | -52.04 |
| 0321 Benoxaprofen | 97.56 | 95.91 | 96.89 | 97.26 | 97.96 | 98.44 | 97.96 | 95.50 | 98.40 | 98.24 | 98.66 | 95.80 | 97.44 |
| 0327 Oxepinac | 99.24 | 99.29 | 98.90 | 99.23 | 99.26 | 99.48 | 98.99 | 99.18 | 99.55 | 99.35 | 99.31 | 98.50 | 99.18 |
| 0339 Ketoprofen | 99.40 | 99.37 | 99.41 | 99.25 | 99.39 | 99.56 | 99.25 | 98.96 | 99.36 | 99.42 | 99.54 | 98.92 | 99.11 |
| 0357 Aminopropylon | 55.59 | 64.57 | 79.64 | 74.00 | 73.40 | 61.45 | 71.60 | 67.28 | 32.16 | 74.28 | 64.02 | 66.33 | 75.80 |
| 0359 Dezocine hydrobromide | 77.53 | 84.07 | 73.99 | 81.69 | 68.95 | 82.23 | 75.07 | 75.69 | 83.90 | 58.36 | 65.30 | 89.39 | 67.93 |
| 0360 Anazocine citrate | 91.45 | 94.12 | 94.06 | 91.32 | 88.58 | 92.99 | 92.11 | 91.11 | 89.43 | 88.13 | 87.21 | 95.03 | 90.83 |
| 0365 Molindone hydrochloride | 59.29 | 77.97 | 63.74 | 76.20 | 40.99 | 76.27 | 86.19 | 96.08 | 86.90 | 79.86 | 81.74 | 92.43 | 66.51 |
| 0375 Betol | 99.88 | 99.81 | 99.76 | 99.71 | 99.81 | 99.90 | 99.70 | 99.52 | 99.64 | 99.58 | 99.67 | 98.76 | 99.85 |
| 0384 Zomepirac glycolate | 93.45 | 93.00 | 95.79 | 97.19 | 97.35 | 95.16 | 94.75 | 98.65 | 97.78 | 97.64 | 96.97 | 95.95 | 93.31 |
| 0396 Nefopam hydrochloride | 99.40 | 99.27 | 99.07 | 98.39 | 99.30 | 99.44 | 98.78 | 98.65 | 98.77 | 99.16 | 98.04 | 99.03 | 99.24 |

Anexo 2c. Cont.

| Name* | ΔP% ^a | ΔP% ^b | ΔP% ^c | ΔP% ^d | ΔP% ^e | ΔP% ^f | ΔP% ^g | ΔP% ^h | ΔP% ⁱ | ΔP% ^j | ΔP% ^k | ΔP% ^l | ΔP% ^m |
|----------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 0400 Oxymorphone | 87.48 | 94.02 | 87.76 | 88.79 | 85.35 | 92.03 | 93.64 | 96.44 | 95.25 | 88.77 | 89.49 | 93.36 | 94.16 |
| 0404 Dihydromorphine | 86.51 | 92.68 | 83.27 | 86.59 | 81.45 | 91.60 | 90.30 | 93.36 | 93.80 | 79.25 | 74.77 | 93.82 | 90.69 |
| 0407 GR-119 | 85.25 | 89.90 | 90.25 | 93.61 | 82.60 | 80.37 | 95.82 | 94.04 | 91.37 | 78.44 | 62.41 | 93.40 | 73.31 |
| 0412 Piperylone | 89.92 | 85.24 | 81.57 | 81.85 | 80.11 | 92.32 | 90.06 | 90.60 | 76.50 | 80.89 | 87.83 | 91.99 | 92.71 |
| 0415 Phencyclidine hydrochloride | 94.97 | 97.70 | 95.98 | 94.57 | 93.76 | 96.91 | 95.57 | 99.23 | 98.16 | 94.97 | 95.49 | 98.34 | 92.84 |
| 0419 Betameprodine | 90.36 | 92.15 | 94.11 | 92.16 | 90.24 | 91.64 | 91.50 | 97.30 | 92.03 | 96.41 | 95.37 | 96.70 | 87.63 |
| 0423 Phenapromide | 86.02 | 88.36 | 87.45 | 83.41 | 88.67 | 88.62 | 89.44 | 95.54 | 90.04 | 94.09 | 90.57 | 90.70 | 86.70 |
| 0433 Acidum disalicylsuccinicum | 99.26 | 99.29 | 98.19 | 98.98 | 99.48 | 99.42 | 97.99 | 99.68 | 99.21 | 99.57 | 99.72 | 97.55 | 98.60 |
| 0440 Niometacin | 98.41 | 98.71 | 98.52 | 99.25 | 99.13 | 99.09 | 98.83 | 99.37 | 99.53 | 99.34 | 99.32 | 99.21 | 98.36 |
| 0449 Aminobenzamidophenazone | 97.72 | 96.98 | 97.92 | 97.67 | 97.72 | 97.92 | 97.31 | 93.98 | 87.35 | 96.54 | 97.05 | 91.74 | 98.33 |
| 0451 HG 3 | 98.91 | 99.35 | 99.24 | 98.81 | 98.63 | 98.57 | 98.88 | 99.57 | 98.85 | 99.71 | 99.47 | 98.88 | 98.11 |
| 0455 Oxycodone hydrochloride | 90.39 | 96.50 | 94.31 | 93.60 | 89.83 | 93.44 | 96.51 | 97.59 | 97.22 | 95.03 | 93.70 | 97.71 | 95.04 |
| 0462 Volazocine | 97.87 | 98.77 | 98.73 | 98.71 | 98.25 | 98.62 | 98.32 | 99.57 | 99.26 | 97.74 | 96.95 | 99.42 | 97.17 |
| 0466 Allylprodine | 39.82 | 48.86 | 50.99 | 41.07 | 32.90 | 48.53 | 68.97 | 51.88 | 61.42 | 66.81 | 51.80 | 47.01 | 47.51 |
| 0469 Cetotiamine hydrochloride | 37.92 | -34.99 | 15.48 | 22.23 | -13.07 | -6.41 | 68.39 | 70.37 | 0.01 | 45.21 | 90.24 | 36.83 | -9.35 |
| 0473 Dikabrol | -35.16 | -7.81 | 24.35 | 2.89 | -16.55 | -6.38 | -1.84 | 15.71 | 13.57 | -18.65 | -43.35 | -28.53 | -37.78 |
| 0475 Diacerein | 97.42 | 98.06 | 95.86 | 99.38 | 98.06 | 99.27 | 98.48 | 99.88 | 99.86 | 99.97 | 99.92 | 99.19 | 98.91 |
| 0483 Neocinchophen | 99.61 | 99.38 | 99.59 | 99.66 | 99.53 | 99.82 | 99.75 | 99.87 | 99.87 | 99.92 | 99.92 | 99.78 | 99.68 |
| 0497 Egyt-1331 | 93.80 | 97.35 | 96.27 | 93.52 | 83.90 | 95.97 | 95.68 | 92.61 | 88.38 | 92.55 | 92.96 | 97.11 | 94.88 |
| 0498 Methadone intermediate | 99.37 | 98.75 | 99.10 | 99.26 | 99.16 | 99.61 | 98.30 | 97.66 | 99.08 | 99.08 | 98.26 | 98.68 | 99.09 |
| 0501 Alimadol | 99.40 | 99.52 | 99.44 | 99.09 | 98.94 | 99.27 | 99.17 | 97.76 | 98.66 | 98.83 | 98.70 | 99.07 | 98.69 |
| 0507 Benfotiamine | 66.05 | 81.05 | 80.46 | 58.04 | 77.25 | 87.41 | 90.31 | 21.81 | 74.00 | 64.42 | 68.73 | 59.04 | 67.03 |
| 0512 Codeine methylbromide | 94.87 | 95.93 | 93.45 | 96.39 | 96.32 | 95.89 | 95.49 | 94.01 | 95.96 | 92.61 | 84.44 | 97.22 | 97.06 |
| 0517 Ciprefadol succinate | 94.02 | 96.08 | 93.73 | 91.75 | 91.23 | 96.16 | 96.29 | 98.08 | 97.20 | 92.85 | 91.72 | 97.26 | 94.38 |
| 0527 Duometacin | 98.14 | 99.22 | 99.32 | 99.53 | 98.58 | 99.24 | 99.34 | 99.57 | 99.71 | 99.70 | 99.66 | 99.71 | 98.73 |
| 0533 Ciheptolane | 99.47 | 99.47 | 99.11 | 99.13 | 99.42 | 99.60 | 99.41 | 99.37 | 99.44 | 99.48 | 99.48 | 99.14 | 99.60 |
| 0541 NIH 9466 | 98.85 | 99.20 | 98.64 | 98.82 | 99.00 | 99.14 | 98.75 | 99.67 | 99.41 | 98.58 | 98.45 | 99.08 | 98.73 |
| 0545 Lu 6-062 | 99.47 | 98.89 | 95.91 | 99.55 | 99.50 | 99.11 | 99.09 | 98.53 | 99.12 | 99.31 | 98.23 | 99.23 | 98.57 |
| 0550 Verilopam hydrochloride | 97.40 | 98.64 | 99.03 | 98.84 | 97.00 | 98.20 | 98.25 | 97.73 | 96.69 | 95.45 | 94.76 | 99.11 | 96.87 |
| 0552 Ethylmorphine methyl iodide | 95.12 | 96.80 | 93.86 | 96.87 | 96.56 | 96.32 | 94.59 | 96.75 | 98.13 | 96.44 | 91.52 | 97.57 | 97.15 |

Anexo 2c. Cont.

| Name* | ΔP% ^a | ΔP% ^b | ΔP% ^c | ΔP% ^d | ΔP% ^e | ΔP% ^f | ΔP% ^g | ΔP% ^h | ΔP% ⁱ | ΔP% ^j | ΔP% ^k | ΔP% ^l | ΔP% ^m |
|----------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 0556 Morpheridine | 90.69 | 90.25 | 89.59 | 75.27 | 89.80 | 92.27 | 94.72 | 98.31 | 89.21 | 97.59 | 97.04 | 96.11 | 91.42 |
| 0561 Citrodisalyl | 99.62 | 99.39 | 99.00 | 99.09 | 99.75 | 99.59 | 98.30 | 99.71 | 99.08 | 99.37 | 99.62 | 97.28 | 99.34 |
| 0563 Acemetacin | 99.03 | 98.45 | 99.18 | 99.56 | 99.59 | 99.42 | 99.26 | 99.75 | 99.73 | 99.79 | 99.72 | 99.49 | 98.89 |
| 0572 Piperadolate hydrochloride | 99.77 | 99.68 | 99.70 | 99.37 | 99.78 | 99.78 | 99.47 | 99.79 | 99.43 | 99.66 | 99.56 | 99.32 | 99.63 |
| 0586 Methadone | 99.59 | 99.65 | 99.74 | 99.70 | 99.69 | 99.70 | 99.21 | 99.54 | 99.55 | 99.73 | 99.43 | 99.67 | 99.39 |
| 0592 Anidoxime | 97.81 | 98.57 | 98.98 | 98.46 | 98.03 | 98.37 | 94.19 | 97.13 | 94.41 | 95.70 | 96.34 | 97.05 | 97.44 |
| 0598 Cesedon | 98.63 | 96.52 | 97.96 | 95.00 | 98.34 | 98.10 | 97.55 | 96.82 | 94.15 | 93.12 | 94.79 | 91.89 | 98.26 |
| 0614 Lufuradom | 99.74 | 99.68 | 99.62 | 99.34 | 99.32 | 99.72 | 99.88 | 99.47 | 99.57 | 99.64 | 99.78 | 99.52 | 99.83 |
| 0624 Spiroxatrine | 99.25 | 99.65 | 99.41 | 98.14 | 99.22 | 99.23 | 99.65 | 99.50 | 98.91 | 99.46 | 99.61 | 98.76 | 99.72 |
| 0635 Pheneridine | 99.85 | 99.87 | 99.91 | 99.81 | 99.85 | 99.88 | 99.80 | 99.95 | 99.80 | 99.90 | 99.91 | 99.89 | 99.68 |
| 0646 Fentanyl Citrate | 99.78 | 99.82 | 99.85 | 99.76 | 99.82 | 99.81 | 99.76 | 99.92 | 99.76 | 99.82 | 99.79 | 99.78 | 99.67 |
| 0671 Trifezolac | 99.97 | 99.95 | 99.96 | 99.95 | 99.98 | 99.99 | 99.97 | 99.97 | 99.97 | 99.99 | 99.99 | 99.92 | 99.97 |
| 0677 ST4250 | 99.98 | 99.99 | 99.99 | 99.97 | 99.96 | 99.98 | 99.95 | 99.91 | 99.92 | 99.93 | 99.92 | 99.94 | 99.93 |
| 0678 Aspirin Isopropylantipyrine | 99.69 | 99.84 | 99.78 | 99.91 | 99.79 | 99.70 | 99.55 | 99.91 | 99.65 | 99.88 | 99.84 | 99.66 | 99.58 |
| 0688 Hoechst 10819 | 99.85 | 99.91 | 99.90 | 99.87 | 99.87 | 99.90 | 99.85 | 99.96 | 99.92 | 99.91 | 99.88 | 99.90 | 99.77 |
| 0692 Phenoperidine | 99.73 | 99.78 | 99.81 | 99.64 | 99.69 | 99.78 | 99.60 | 99.89 | 99.60 | 99.80 | 99.82 | 99.78 | 99.34 |
| 0700 Xorphanol Mesilate | 99.00 | 99.15 | 98.77 | 99.17 | 99.18 | 99.32 | 98.91 | 99.44 | 99.58 | 98.84 | 98.36 | 99.20 | 99.20 |
| 0707 Tonazocine Mesilate | 94.77 | 97.87 | 98.17 | 98.83 | 96.69 | 97.04 | 95.38 | 98.82 | 98.85 | 93.65 | 91.72 | 98.63 | 93.79 |
| 0711 Panibin | 99.90 | 99.90 | 99.81 | 99.87 | 99.78 | 99.90 | 99.34 | 98.47 | 99.70 | 98.29 | 94.68 | 99.44 | 99.79 |
| 0725 Acetyloxypheneridine | 99.90 | 99.89 | 99.94 | 99.88 | 99.93 | 99.89 | 99.85 | 99.99 | 99.88 | 99.98 | 99.98 | 99.94 | 99.75 |
| 0741 Dipipanone | 99.86 | 99.91 | 99.90 | 99.88 | 99.86 | 99.91 | 99.86 | 99.96 | 99.93 | 99.91 | 99.89 | 99.91 | 99.78 |
| 0773 Racemoramide | 99.82 | 99.76 | 99.62 | 99.42 | 99.78 | 99.87 | 99.83 | 99.97 | 99.74 | 99.89 | 99.89 | 99.92 | 99.82 |
| 0775 Pipebuzone | 99.22 | 98.25 | 97.90 | 96.18 | 98.95 | 99.10 | 98.11 | 94.90 | 93.76 | 94.57 | 94.45 | 95.20 | 99.70 |
| 0807 Feclobuzone | 99.98 | 99.93 | 99.96 | 99.92 | 99.96 | 99.97 | 99.92 | 99.87 | 99.78 | 99.81 | 99.91 | 99.75 | 99.98 |
| 0811 Piritramide | 99.57 | 99.58 | 99.63 | 99.66 | 99.62 | 99.84 | 99.83 | 99.69 | 99.75 | 99.69 | 99.75 | 99.26 | 99.72 |
| 0830 Tolpadol | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 99.99 | 99.99 | 99.99 | 99.99 | 99.99 | 99.96 | 100.00 |
| 0855 Tiropramide Hydrochloride | 99.20 | 98.98 | 99.59 | 98.77 | 99.61 | 99.27 | 97.17 | 99.38 | 96.17 | 96.30 | 99.03 | 97.88 | 99.15 |
| 0858 Apochin | 99.98 | 99.98 | 99.97 | 99.97 | 99.98 | 99.98 | 99.97 | 99.99 | 99.98 | 99.99 | 99.98 | 99.96 | 99.98 |
| 0897 Nabitan Hydrochloride | 99.37 | 99.75 | 99.23 | 99.91 | 99.66 | 99.75 | 99.59 | 99.95 | 99.97 | 99.82 | 99.48 | 99.90 | 99.69 |
| 0923 CL -- 224385 | 89.78 | 89.41 | 86.97 | 82.21 | 78.21 | 87.49 | 80.68 | 78.18 | 86.24 | 61.18 | 56.88 | 69.86 | 72.72 |

Anexo 2c. Cont.

| Name* | ΔP% ^a | ΔP% ^b | ΔP% ^c | ΔP% ^d | ΔP% ^e | ΔP% ^f | ΔP% ^g | ΔP% ^h | ΔP% ⁱ | ΔP% ^j | ΔP% ^k | ΔP% ^l | ΔP% ^m |
|---------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 0940 Aceclofenac | 93.16 | 85.92 | 90.61 | 88.07 | 94.04 | 96.19 | 86.51 | 95.00 | 87.36 | 95.78 | 95.78 | 87.64 | 93.11 |
| 0941 Tazuprofen | 99.24 | 98.47 | 97.83 | 98.40 | 98.62 | 98.99 | 98.56 | 97.83 | 98.81 | 99.23 | 99.43 | 97.82 | 97.30 |
| 0954 Cinaproxen | 96.97 | 91.29 | 97.42 | 97.45 | 96.87 | 94.10 | 97.89 | 98.06 | 95.07 | 98.97 | 99.24 | 94.77 | 94.10 |
| 0956 Tomoxiprole | 99.67 | 99.49 | 99.72 | 99.80 | 99.73 | 99.88 | 99.83 | 99.86 | 99.91 | 99.94 | 99.92 | 99.86 | 99.80 |
| 0964 Spiradoline Mesilate | 87.23 | 80.55 | 92.34 | 88.26 | 93.66 | 91.41 | 91.77 | 95.08 | 91.95 | 92.25 | 91.26 | 90.65 | 93.49 |
| 0968 VUFB - 12987 | 99.98 | 99.91 | 99.82 | 99.88 | 99.97 | 99.99 | 99.97 | 99.93 | 99.90 | 99.97 | 99.98 | 99.84 | 99.99 |
| 0977 Frabuprofen | 99.66 | 99.71 | 99.80 | 99.66 | 99.87 | 99.77 | 98.61 | 99.85 | 99.76 | 99.54 | 99.58 | 99.89 | 98.39 |
| 0987 Pethidine Intermediate | 91.00 | 87.11 | 83.67 | 85.85 | 85.28 | 92.88 | 88.23 | 84.59 | 90.67 | 84.70 | 75.86 | 90.65 | 88.51 |
| 0991 Ethylmethylthiambutene | 96.55 | 91.25 | 86.02 | 88.56 | 89.99 | 87.27 | 87.24 | 91.73 | 89.66 | 91.08 | 86.30 | 90.17 | 77.25 |
| 0995 Cetobemidone | 81.87 | 86.90 | 86.40 | 84.26 | 81.64 | 86.02 | 84.56 | 88.96 | 85.98 | 81.87 | 76.73 | 90.30 | 81.09 |
| 1001 Alphaprodine | 89.43 | 89.90 | 92.60 | 90.67 | 89.40 | 90.04 | 91.57 | 95.17 | 91.36 | 96.21 | 94.86 | 94.87 | 87.67 |
| 1004 Moxadolen | 69.36 | 46.14 | 62.55 | 34.86 | 55.07 | 58.23 | 54.13 | 12.16 | 17.39 | 55.79 | 75.31 | 40.89 | 51.04 |
| 1013 Felbinac | 99.26 | 99.03 | 99.18 | 99.21 | 99.43 | 99.51 | 98.49 | 99.29 | 99.32 | 99.42 | 99.41 | 98.85 | 98.65 |
| 1048 Chlorobutanol | -95.47 | -98.88 | -97.33 | -96.90 | -91.91 | -97.74 | -70.35 | -98.22 | -97.78 | -94.00 | -90.43 | -97.21 | -94.34 |
| 1049 Cropropamide | -39.08 | -41.52 | 0.83 | -17.89 | -30.42 | -31.59 | -9.57 | -17.88 | -50.24 | -46.61 | -14.36 | -11.50 | -16.48 |
| 1052 Dioxadrol | 99.40 | 99.25 | 99.12 | 97.12 | 98.90 | 99.12 | 99.33 | 99.04 | 98.34 | 99.14 | 99.34 | 98.62 | 99.13 |
| 1057 Magnesium Acetylsalicylate | 84.28 | 80.00 | 78.77 | 76.47 | 83.42 | 82.74 | 67.36 | 90.85 | 83.84 | 90.28 | 84.39 | 80.71 | 65.53 |
| 1061 Oxetorone | 99.63 | 99.56 | 99.16 | 99.50 | 99.36 | 99.80 | 99.66 | 98.83 | 99.73 | 99.61 | 99.59 | 99.15 | 99.89 |
| 1064 Salicin | -63.47 | -45.30 | -55.83 | -84.74 | -83.63 | -75.32 | -35.07 | -47.10 | -60.11 | -65.01 | -50.89 | -47.22 | -83.41 |

*Las estructuras de los compuestos se encuentran en el Anexo 1. ΔP%^{a,b,c,d,e,f,g,h,i,j,k,l,m} las letras **a-m** representan los modelos discriminantes 4.1 a 4.13 respectivamente.

[Anexos](#)

Anexo 2d. Resultados de la clasificación de los compuestos inactivos en la SP

| Name | ΔP% ^a | ΔP% ^b | ΔP% ^c | ΔP% ^d | ΔP% ^e | ΔP% ^f | ΔP% ^g | ΔP% ^h | ΔP% ⁱ | ΔP% ^j | ΔP% ^k | ΔP% ^l | ΔP% ^m |
|----------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 5'-nor ARI | -92.43 | -93.97 | -96.35 | -97.97 | -94.68 | -92.92 | -88.26 | -95.43 | -94.66 | -96.30 | -94.87 | -93.90 | -92.20 |
| Pirazolopirimidine | -97.83 | -98.59 | -99.53 | -97.12 | -99.81 | -98.83 | -99.96 | -99.62 | -98.68 | -99.79 | -99.49 | -99.12 | -99.31 |
| BVDU | -51.50 | -79.25 | -82.14 | -58.18 | -80.77 | -65.56 | -89.50 | -82.54 | -76.66 | -89.37 | -69.16 | -90.01 | -62.59 |
| Fanciclovir | -63.63 | -78.64 | -76.33 | -83.96 | -63.16 | -70.80 | -50.64 | -60.38 | -79.95 | -37.53 | 2.29 | -77.44 | -50.11 |
| DANA | -97.41 | -96.47 | -95.48 | -96.83 | -96.74 | -98.05 | -96.74 | -95.44 | -95.66 | -96.26 | -93.71 | -98.68 | -98.48 |
| Brometenamine | -89.07 | -91.18 | -97.71 | -74.01 | -79.39 | -90.97 | -61.20 | -95.25 | -97.16 | -84.39 | -88.29 | -98.52 | -70.72 |
| Aleudrin"Beckmann" | -96.81 | -97.19 | -95.65 | -96.32 | -94.42 | -91.13 | -89.72 | -96.39 | -94.50 | -97.96 | -95.14 | -97.14 | -94.33 |
| Cetohexazine | -29.40 | -18.85 | -14.90 | 18.75 | -26.24 | -29.53 | -8.33 | -20.23 | -13.74 | -23.04 | -21.59 | -22.98 | -16.97 |
| Calcii diethylacetas | -78.94 | -68.24 | -62.38 | -75.92 | -80.37 | -67.75 | -68.94 | -50.70 | -60.16 | -82.75 | -67.36 | -66.36 | -84.46 |
| Hedonal | -92.97 | -88.77 | -88.98 | -89.25 | -89.17 | -88.07 | -93.76 | -96.33 | -82.59 | -94.73 | -92.82 | -95.04 | -93.11 |
| Carbavin | -65.58 | -54.15 | -55.54 | -31.44 | -38.23 | -51.85 | -59.84 | -43.60 | -1.56 | 17.39 | 8.43 | 29.35 | -65.17 |
| MECap | -78.58 | -70.75 | -61.86 | -73.75 | -80.27 | -68.18 | -66.42 | -72.35 | -53.81 | -83.75 | -76.32 | -65.87 | -81.47 |
| Albutoin | -6.46 | -83.41 | -78.67 | -64.39 | -54.79 | -78.91 | -64.30 | -73.05 | -81.34 | -85.08 | -69.16 | -81.14 | -39.98 |
| Cobalti glutamas | -95.97 | -97.92 | -95.96 | -96.91 | -94.63 | -96.38 | -94.03 | -92.40 | -94.58 | -90.63 | -80.82 | -96.94 | -97.29 |
| Feramid | -7.24 | 6.21 | -12.17 | -23.96 | -3.83 | 3.93 | -9.66 | -28.52 | -17.68 | -1.98 | -6.72 | -17.86 | 6.54 |
| Fructosum Ferricum | -98.73 | -98.76 | -99.94 | -99.71 | -98.52 | -99.26 | -99.79 | -99.93 | -100.0 | -99.57 | -99.31 | -99.99 | -99.13 |
| Polyferose | -99.84 | -99.74 | -99.68 | -99.96 | -99.95 | -99.93 | -99.08 | -99.35 | -99.75 | -99.78 | -99.54 | -99.95 | -99.94 |
| Butanolum | -86.75 | -80.94 | -87.84 | -91.09 | -91.97 | -84.82 | -87.37 | -89.37 | -83.16 | -86.89 | -89.50 | -86.81 | -92.26 |
| Cupriaseptol | -71.32 | -66.19 | -71.86 | -88.06 | -70.03 | -70.29 | -82.99 | -73.35 | -62.86 | -73.06 | -75.99 | -79.66 | -74.72 |
| Sango-Stop | -97.73 | -97.85 | -96.20 | -99.19 | -98.71 | -98.34 | -94.85 | -96.69 | -98.04 | -97.62 | -97.13 | -98.77 | -98.48 |
| A-Peest | -90.52 | -89.75 | -88.70 | -70.17 | -80.00 | -86.18 | -88.76 | -94.72 | -90.18 | -91.02 | -92.27 | -77.53 | -75.59 |
| Policresulen | -84.43 | -48.55 | -55.11 | -56.51 | -73.14 | -55.32 | -75.10 | -1.33 | 38.71 | -58.38 | -47.53 | -38.24 | -76.78 |
| Lemidosul | -68.55 | -73.13 | -58.21 | -76.79 | -37.11 | -89.69 | -72.11 | -24.45 | 19.89 | -65.21 | -74.82 | -49.50 | -82.63 |
| Hydracarbazine | -94.56 | -95.68 | -95.83 | -96.13 | -96.65 | -96.46 | -94.58 | -98.43 | -99.20 | -95.60 | -93.60 | -93.80 | -90.95 |
| Propazolamide | -98.58 | -98.89 | -99.54 | -99.02 | -98.62 | -99.40 | -99.84 | -98.32 | -98.63 | -99.59 | -99.65 | -99.11 | -99.11 |
| Chlormerodrin | -98.70 | -98.95 | -98.79 | -97.30 | -98.16 | -98.55 | -98.78 | -98.93 | -99.02 | -98.93 | -98.46 | -95.29 | -98.80 |
| CGS 4270 | -99.18 | -99.16 | -99.49 | -99.34 | -99.62 | -98.50 | -99.04 | -99.20 | -99.65 | -99.52 | -99.14 | -98.38 | -97.87 |
| Hydrochlorothiazide | -99.76 | -99.83 | -99.79 | -99.82 | -99.89 | -99.77 | -98.26 | -99.38 | -99.08 | -97.30 | -96.84 | -98.41 | -99.66 |
| Teofillina | -28.57 | -73.00 | -71.81 | -12.74 | -86.88 | -33.75 | -25.45 | -72.31 | -76.68 | -76.66 | -51.02 | -44.19 | -36.44 |
| Teclothiazide | -99.81 | -99.91 | -99.75 | -99.86 | -99.85 | -99.81 | -98.77 | -98.79 | -98.89 | -96.05 | -96.24 | -97.84 | -99.73 |

Anexo 2d. Cont.

| Name | ΔP% ^a | ΔP% ^b | ΔP% ^c | ΔP% ^d | ΔP% ^e | ΔP% ^f | ΔP% ^g | ΔP% ^h | ΔP% ⁱ | ΔP% ^j | ΔP% ^k | ΔP% ^l | ΔP% ^m |
|-----------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| DS-30 | 82.02 | 62.33 | 83.16 | 43.54 | 44.95 | 56.38 | 75.09 | 56.48 | 61.08 | 56.63 | 22.26 | 8.98 | 43.02 |
| Mateina | -26.09 | -62.65 | -57.64 | 11.93 | -75.57 | -26.74 | 9.02 | -44.72 | -57.17 | -60.15 | -45.49 | 10.14 | -22.03 |
| Methyl palmiroxate | -51.71 | -23.38 | -39.37 | -77.55 | -76.19 | -33.71 | -19.68 | -62.08 | -41.48 | -37.09 | -64.11 | -62.11 | -45.86 |
| Glisoxenide | -58.21 | -50.72 | -54.97 | -42.81 | -56.56 | -62.82 | -85.54 | -70.31 | -60.51 | -75.58 | -72.39 | -74.54 | -33.30 |
| Amformin | -99.80 | -99.75 | -99.61 | -98.77 | -99.24 | -99.51 | -99.79 | -99.77 | -99.73 | -99.94 | -99.70 | -99.70 | -99.66 |
| Glyprothiazol | -81.92 | -95.87 | -92.30 | -89.96 | -90.75 | -94.41 | -92.49 | -92.74 | -96.28 | -94.19 | -90.48 | -93.96 | -87.75 |
| Metasulfanilbutylcarbamide | -93.89 | -96.98 | -96.24 | -94.63 | -96.21 | -94.30 | -98.37 | -98.14 | -97.95 | -98.45 | -95.99 | -95.70 | -95.28 |
| SPC-703 | -33.76 | -33.98 | -6.60 | -8.51 | -19.02 | -35.16 | -62.33 | 2.33 | -15.11 | -47.34 | -34.00 | -26.66 | -38.22 |
| Thiazanol | -83.19 | -89.51 | -87.35 | -82.89 | -82.99 | -86.00 | -86.98 | -88.95 | -89.97 | -92.91 | -91.30 | -88.67 | -81.99 |
| Hypoglycin B | -84.25 | -93.87 | -82.00 | -85.57 | -68.25 | -88.10 | -69.08 | -64.27 | -85.72 | -24.29 | 7.21 | -87.53 | -86.65 |
| Clorexamide | -76.12 | -87.51 | -84.02 | -79.65 | -79.45 | -76.19 | -93.47 | -91.81 | -78.73 | -90.49 | -88.79 | -87.30 | -84.05 |
| Thiohexamide | -64.01 | -72.97 | -69.94 | -67.46 | -79.46 | -73.15 | -89.22 | -89.25 | -66.62 | -91.57 | -90.17 | -85.14 | -83.81 |
| Scyan | -71.58 | -81.00 | -83.68 | -72.61 | -88.55 | -81.06 | -97.81 | -87.02 | -92.81 | -90.12 | -85.88 | -93.11 | -80.84 |
| Disotat-Amp | -92.30 | -95.32 | -90.26 | -90.76 | -88.61 | -93.77 | -93.63 | -94.75 | -88.93 | -84.91 | -90.64 | -94.42 | -93.98 |
| Guanabenz acetate | -87.77 | -96.32 | -87.94 | -80.69 | -69.26 | -81.67 | -92.46 | -98.16 | -93.30 | -85.83 | -85.09 | -73.68 | -74.35 |
| Mebetide | -70.50 | -72.26 | -57.89 | -67.78 | -66.49 | -66.68 | -27.58 | -5.41 | -14.76 | -2.19 | -22.82 | -35.03 | -85.14 |
| Pildralazine | -95.52 | -97.26 | -96.21 | -96.27 | -96.50 | -97.68 | -96.57 | -98.58 | -99.36 | -97.10 | -96.75 | -95.06 | -92.95 |
| Olmidine | -48.86 | -55.22 | -42.16 | -50.94 | -44.03 | -45.97 | -44.52 | -75.87 | -65.08 | -54.79 | -50.96 | -45.97 | -39.22 |
| Moxonidine | -86.05 | -73.34 | -78.86 | -73.57 | -87.24 | -76.33 | -71.39 | -73.91 | -84.47 | -81.61 | -75.82 | -46.03 | -71.07 |
| Guanclofine | -95.43 | -97.45 | -93.74 | -90.93 | -90.99 | -92.78 | -92.94 | -97.85 | -96.20 | -94.45 | -84.11 | -87.44 | -92.04 |
| Guanazodine sulfate | -99.11 | -99.34 | -99.15 | -98.89 | -98.35 | -99.02 | -97.91 | -98.88 | -99.06 | -98.14 | -97.03 | -99.01 | -98.67 |
| Trimethidinium methosulfate | -73.22 | -92.07 | -91.07 | -38.24 | -6.86 | -76.43 | -57.63 | -82.40 | -68.36 | -76.91 | -76.81 | -57.66 | -12.42 |
| Oxamethonium iodide | -93.67 | -94.24 | -91.30 | -86.85 | -80.00 | -90.07 | -85.18 | -84.59 | -91.30 | -78.53 | -89.65 | -89.55 | -86.48 |
| Dicoline | -67.83 | -56.44 | -31.45 | -67.41 | -59.31 | -55.54 | -45.83 | -43.52 | -48.77 | -46.43 | -69.28 | -70.65 | -53.44 |
| Chlorisondamine chloride | -92.54 | -98.80 | -98.48 | -81.49 | -48.62 | -72.97 | -96.86 | -94.04 | -87.10 | -92.13 | -95.55 | -61.83 | -21.61 |
| Trepirium iodide | -87.87 | -97.46 | -97.89 | -93.89 | -59.27 | -90.50 | -86.17 | -99.00 | -95.54 | -92.38 | -96.48 | -98.09 | -50.74 |
| Penhexamine | -65.13 | -55.02 | -15.94 | -30.57 | -50.54 | -57.83 | -46.01 | -42.15 | -23.41 | -46.15 | -61.75 | -14.61 | -58.92 |
| Cryofluorane | -97.53 | -92.20 | -90.68 | -87.83 | -92.04 | -89.36 | -96.09 | -77.91 | -89.12 | -99.26 | -99.75 | -74.35 | -97.12 |
| Norflurane | -85.89 | -67.67 | -73.66 | -85.52 | -86.10 | -74.01 | -86.55 | -74.02 | -68.40 | -91.73 | -96.16 | -69.54 | -96.77 |
| Ethyl chloride | -81.49 | -80.60 | -84.45 | -80.06 | -85.46 | -74.50 | -62.93 | -87.71 | -81.60 | -75.51 | -83.93 | -79.33 | -84.21 |

Anexo 2d. Cont.

| Name | $\Delta P\%^a$ | $\Delta P\%^b$ | $\Delta P\%^c$ | $\Delta P\%^d$ | $\Delta P\%^e$ | $\Delta P\%^f$ | $\Delta P\%^g$ | $\Delta P\%^h$ | $\Delta P\%^i$ | $\Delta P\%^j$ | $\Delta P\%^k$ | $\Delta P\%^l$ | $\Delta P\%^m$ |
|-------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Halopropane | -97.88 | -90.63 | -81.91 | -95.98 | -95.58 | -85.24 | -89.79 | -78.66 | -83.56 | -96.56 | -97.67 | -91.06 | -96.21 |
| Cyclopropane | -56.54 | -49.26 | -65.31 | -77.13 | -72.72 | -50.46 | -50.66 | -41.08 | -38.54 | -55.77 | -68.07 | -36.93 | -62.86 |
| Vinyl ether | -34.72 | -27.61 | -40.68 | -68.67 | -54.58 | -37.14 | -20.97 | -19.38 | -11.53 | -28.15 | -42.52 | -32.63 | -38.44 |
| Naretin | -19.07 | -67.75 | -52.29 | -54.73 | -43.61 | -21.52 | -46.35 | -38.12 | -83.02 | -16.30 | 6.14 | -35.56 | -27.37 |
| Anatiroidol | -99.59 | -99.94 | -99.71 | -97.38 | -96.86 | -99.92 | -98.86 | -99.49 | -99.92 | -99.41 | -98.97 | -98.90 | -99.43 |
| Mercaptothiazoline | -77.31 | -87.11 | -84.54 | -87.26 | -80.80 | -93.07 | -91.75 | -89.76 | -97.57 | -83.52 | -82.01 | -96.63 | -71.99 |
| Mipimazole | -58.51 | -88.63 | -80.39 | -81.40 | -80.22 | -91.25 | -48.30 | -78.74 | -77.05 | -82.31 | -80.60 | -80.77 | -82.99 |
| Propyllthiouracil | -84.11 | -58.92 | -71.44 | -58.69 | -74.13 | -79.01 | -94.82 | -69.73 | -90.01 | -84.46 | -75.56 | -88.45 | -64.56 |
| Beta-Dijodtyrosin | -96.32 | -95.52 | -95.61 | -61.27 | -68.93 | -96.94 | -99.82 | -86.54 | -77.90 | -55.11 | -44.84 | -95.20 | -89.24 |
| Imexon | -74.10 | -84.23 | -81.13 | -80.23 | -69.95 | -68.56 | -76.50 | -75.62 | -84.03 | -83.73 | -76.81 | -78.50 | -68.00 |
| Alloxanthine | -85.86 | -78.91 | -91.83 | -92.45 | -93.43 | -76.38 | -86.29 | -85.26 | -88.06 | -95.75 | -96.05 | -86.51 | -82.20 |
| Auxinutril | -97.88 | -97.91 | -99.14 | -99.69 | -99.38 | -98.77 | -95.97 | -97.96 | -95.86 | -99.13 | -94.83 | -98.88 | -99.23 |
| Didym levulinate | -67.06 | -62.07 | -58.96 | -62.78 | -50.23 | -63.54 | -62.53 | -19.36 | -18.06 | -8.10 | -20.76 | -67.00 | -74.23 |
| Nitrodimethylin | -92.65 | -91.71 | -92.32 | -98.08 | -97.34 | -92.92 | -97.17 | -99.78 | -98.70 | -98.61 | -99.57 | -99.37 | -93.61 |
| Nitromannitol | -99.14 | -98.25 | -98.35 | -99.95 | -99.96 | -99.34 | -100.0 | -99.98 | -99.99 | -100.0 | -100.0 | -99.89 | -99.00 |
| Isosorbide mononitrate | -87.36 | -83.26 | -83.53 | -97.48 | -95.64 | -89.76 | -87.98 | -91.60 | -92.59 | -90.93 | -96.41 | -94.94 | -83.55 |
| Nitronal | -83.05 | -75.02 | -79.40 | -91.58 | -93.07 | -78.09 | -93.29 | -99.23 | -90.72 | -92.88 | -99.02 | -97.71 | -87.01 |
| Hisoctinotoxin A | -36.46 | -42.38 | -95.77 | -4.02 | -93.73 | -88.81 | -99.76 | -99.02 | -99.83 | -97.89 | -98.44 | -97.42 | -62.34 |
| Cycloleucine | -90.89 | -96.16 | -90.58 | -94.61 | -90.95 | -91.73 | -78.20 | -81.63 | -91.12 | -85.29 | -71.24 | -89.65 | -91.41 |
| Nitroguanil | -88.74 | -90.16 | -84.75 | -75.98 | -75.01 | -82.99 | -95.87 | -98.46 | -95.74 | -96.69 | -92.37 | -84.70 | -83.81 |
| Antimalarine | 63.37 | 70.11 | 66.20 | 52.10 | 46.94 | 73.76 | 74.05 | 69.78 | 64.83 | 74.07 | 70.83 | 80.64 | 73.41 |
| Antimony sodium tioglycollate | -72.01 | -74.61 | -78.34 | -87.84 | -82.10 | -91.24 | -88.49 | -85.47 | -87.55 | -93.47 | -95.79 | -89.39 | -93.47 |
| Punicine | -63.83 | -65.99 | -67.85 | -75.13 | -66.95 | -72.01 | -58.16 | -61.26 | -48.58 | -46.32 | -58.19 | -72.09 | -71.48 |
| Vincofos | -96.64 | -97.06 | -96.95 | -98.44 | -91.20 | -81.05 | -97.77 | -99.47 | -99.25 | -95.44 | -98.52 | -98.38 | -87.96 |
| Phoxim | -15.63 | 47.68 | 10.78 | -30.47 | -23.54 | 18.88 | 93.81 | -24.17 | -43.31 | 1.77 | -47.67 | -17.72 | -20.29 |
| Antiolimine | -97.23 | -97.66 | -98.93 | -95.71 | -90.13 | -98.77 | -98.20 | -95.37 | -98.05 | -99.61 | -98.23 | -98.85 | -98.94 |
| Febensamin | -54.08 | -51.35 | -75.17 | -82.30 | -58.54 | -34.26 | -33.44 | -48.28 | -56.38 | -34.20 | -68.50 | -39.83 | -25.11 |
| Hiproheptine hydrochloride | -91.32 | -94.16 | -90.57 | -90.43 | -87.15 | -92.10 | -93.27 | -93.43 | -87.50 | -78.88 | -91.00 | -92.29 | -92.99 |
| Nibet | -94.42 | -97.61 | -98.43 | -95.75 | -84.39 | -93.81 | -95.73 | -99.06 | -94.47 | -96.55 | -98.04 | -98.26 | -87.52 |
| Acipimox | -78.44 | -76.33 | -57.23 | -91.30 | -37.70 | -88.50 | -23.96 | -19.78 | -33.26 | -44.29 | -43.57 | -41.21 | -88.42 |

Anexo 2d. Cont.

| Name | $\Delta P\%^a$ | $\Delta P\%^b$ | $\Delta P\%^c$ | $\Delta P\%^d$ | $\Delta P\%^e$ | $\Delta P\%^f$ | $\Delta P\%^g$ | $\Delta P\%^h$ | $\Delta P\%^i$ | $\Delta P\%^j$ | $\Delta P\%^k$ | $\Delta P\%^l$ | $\Delta P\%^m$ |
|---|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Normo-Level | -11.76 | -80.29 | -28.99 | -55.16 | -2.01 | -52.22 | -34.78 | -48.66 | -14.96 | 64.97 | 78.94 | -78.96 | -37.76 |
| Tibric acid | -80.17 | -90.80 | -87.24 | -47.17 | -38.68 | -79.60 | -78.87 | -55.77 | -30.24 | -78.32 | -47.15 | -63.99 | -79.22 |
| Urefibrate | 61.37 | 52.90 | 77.04 | 72.95 | 83.68 | 68.48 | 34.02 | 6.81 | 59.65 | 50.80 | 54.49 | 41.32 | 79.12 |
| Melperone | -6.14 | 5.07 | -12.10 | -56.30 | -17.65 | 3.90 | 35.19 | 18.22 | 16.79 | 23.38 | -9.19 | 2.13 | -3.30 |
| Perhidro,1,2,4,tiadiazine 1,1dioxide | -94.99 | -94.73 | -97.70 | -89.53 | -97.43 | -96.53 | -63.54 | -96.73 | -96.18 | -93.68 | -94.62 | -96.91 | -96.24 |
| 2,cloro-4nitro fenol | -23.78 | -20.67 | -23.01 | -53.35 | -49.20 | -20.85 | -58.37 | -64.83 | -54.73 | -78.78 | -83.22 | -37.23 | -29.88 |
| 2-amino-5-(5 nitro-2-furil)1,3,4 tiadazole | -74.66 | -78.62 | -87.68 | -82.98 | -82.15 | -89.98 | -88.59 | -89.84 | -95.40 | -93.65 | -95.66 | -86.44 | -70.53 |
| 5-nitro-2-firfurilmethyl eter | -43.75 | -17.92 | -31.10 | -62.30 | -59.15 | -55.74 | -74.89 | -85.91 | -64.75 | -79.38 | -93.17 | -57.08 | -39.55 |
| 3,5 dibromosalicilyc amide | -84.93 | -83.94 | -86.36 | -53.31 | -65.29 | -80.36 | -96.51 | -84.82 | -70.07 | -66.78 | -65.02 | -88.85 | -56.68 |
| Guanazole | -99.91 | -99.96 | -99.92 | -99.90 | -99.86 | -99.96 | -99.77 | -99.89 | -99.94 | -99.64 | -99.13 | -99.89 | -99.86 |
| Hadacidin | -92.05 | -95.31 | -94.21 | -95.61 | -92.05 | -91.33 | -94.10 | -91.03 | -94.10 | -97.02 | -96.21 | -94.63 | -92.36 |
| Norgamem | -87.46 | -93.56 | -92.14 | -96.23 | -93.34 | -93.28 | -78.66 | -91.31 | -94.44 | -89.69 | -88.14 | -95.03 | -90.24 |
| Tegafun | -45.14 | -43.40 | -55.88 | -65.63 | -74.78 | -39.17 | -59.94 | -49.38 | -53.69 | -93.13 | -83.82 | -64.81 | -37.69 |
| Azapicyl | -23.24 | -29.05 | -18.73 | -34.62 | -18.81 | -34.15 | -25.08 | -24.50 | -45.25 | 15.00 | 4.75 | -26.62 | -6.31 |
| Azatepa | -76.55 | -86.80 | -92.33 | -83.63 | -60.88 | -62.24 | 12.36 | -82.13 | -95.87 | -95.80 | -88.04 | -77.93 | -62.34 |
| Ida | -52.47 | -54.19 | -82.63 | -87.69 | -84.19 | -55.91 | -52.33 | -53.63 | -54.13 | -80.87 | -80.40 | -65.42 | -48.24 |
| Glucin | -99.72 | -98.32 | -99.27 | -99.89 | -99.45 | -99.45 | -99.77 | -97.50 | -98.74 | -99.55 | -99.65 | -98.76 | -99.60 |
| Dihydroxyacetone | -90.13 | -83.91 | -89.00 | -94.02 | -94.46 | -91.83 | -82.03 | -80.51 | -77.22 | -85.32 | -87.43 | -90.87 | -93.59 |
| Suosan | -26.76 | -32.15 | -34.42 | -42.07 | -27.15 | -23.43 | -62.79 | -72.79 | -64.51 | -55.67 | -25.54 | -38.45 | -39.09 |
| Mecysteine | -97.48 | -99.02 | -96.37 | -98.22 | -97.45 | -99.09 | -98.31 | -99.05 | -99.77 | -93.31 | -83.77 | -99.51 | -97.06 |
| Tuaminoheptane | -94.36 | -96.30 | -94.80 | -95.64 | -94.33 | -95.15 | -94.79 | -95.09 | -95.50 | -90.24 | -94.14 | -93.85 | -95.76 |
| Tyrosam | -0.38 | -0.25 | 1.68 | -9.51 | -18.04 | -12.88 | -22.06 | -52.46 | -24.90 | -36.15 | -32.48 | -6.65 | -27.25 |
| Isopropylmethoxamine | -27.09 | -9.44 | 25.67 | 16.56 | -24.30 | -35.89 | -39.41 | -45.36 | -26.80 | -34.36 | -46.53 | 16.83 | -50.88 |
| Meprobamate | -98.42 | -98.92 | -98.52 | -97.79 | -96.14 | -97.46 | -97.55 | -98.51 | -95.45 | -98.53 | -80.78 | -98.51 | -96.78 |
| Promoxolane | -84.52 | -75.29 | -63.20 | -86.62 | -88.60 | -85.45 | -51.17 | -87.75 | -62.32 | -70.08 | -49.39 | -84.75 | -84.28 |
| Tartrate | -98.17 | -95.34 | -94.21 | -93.72 | -98.01 | -97.93 | -97.00 | -73.78 | -97.62 | -98.39 | -96.36 | -76.51 | -96.25 |
| Nafomine | 90.58 | 81.56 | 89.85 | 95.24 | 89.77 | 91.49 | 88.76 | 73.78 | 79.45 | 87.54 | 78.31 | 94.21 | 87.70 |
| Methacholine chloride | -86.91 | -94.84 | -95.23 | -87.48 | -68.57 | -89.62 | -89.61 | -98.16 | -83.54 | -87.04 | -93.59 | -98.04 | -77.15 |
| Eseridine | 55.23 | 59.10 | 49.43 | 66.62 | 56.46 | 53.94 | 60.16 | 32.03 | 47.90 | 88.58 | 85.41 | 90.32 | 61.90 |

Anexo 2d. Cont.

| Name | $\Delta P\%^a$ | $\Delta P\%^b$ | $\Delta P\%^c$ | $\Delta P\%^d$ | $\Delta P\%^e$ | $\Delta P\%^f$ | $\Delta P\%^g$ | $\Delta P\%^h$ | $\Delta P\%^i$ | $\Delta P\%^j$ | $\Delta P\%^k$ | $\Delta P\%^l$ | $\Delta P\%^m$ |
|-------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Isalon Diwag | 30.89 | 53.56 | 66.07 | 40.57 | 41.19 | 51.28 | 30.72 | 67.22 | 34.33 | 48.82 | 30.17 | 65.12 | 24.49 |
| Detenerol hydrochloride | -20.61 | -28.02 | -18.16 | -27.78 | -27.67 | -29.30 | -51.93 | -43.49 | -42.57 | -44.47 | -39.51 | -36.85 | -47.35 |
| Norfefrine | -32.32 | -32.95 | -39.59 | -45.78 | -54.34 | -46.21 | -48.97 | -80.95 | -59.19 | -61.55 | -64.53 | -44.88 | -58.53 |
| Oxidopamine | -69.47 | -61.53 | -75.28 | -70.42 | -84.75 | -68.53 | -77.30 | -86.36 | -82.30 | -92.34 | -86.48 | -74.61 | -77.30 |
| Pulsoton | -13.70 | -40.81 | -16.62 | -15.83 | -5.77 | -24.04 | -46.59 | -38.74 | -47.88 | -25.67 | -36.51 | -23.83 | -31.91 |
| Corbadrine | -71.61 | -78.88 | -73.74 | -77.01 | -80.25 | -75.29 | -82.62 | -89.88 | -87.36 | -87.51 | -84.77 | -80.31 | -79.82 |
| Etilefrine | -14.13 | -4.69 | -15.82 | -25.00 | -39.33 | -20.87 | -42.38 | -48.22 | -37.34 | -43.67 | -37.91 | -24.63 | -45.78 |
| Propylhexedrine | -75.54 | -72.66 | -77.98 | -83.91 | -82.91 | -77.33 | -72.66 | -73.95 | -76.42 | -56.42 | -76.20 | -57.78 | -81.96 |
| AMT | 54.07 | 8.73 | 18.33 | 24.84 | 41.94 | 51.17 | 19.13 | 0.98 | -2.00 | 51.21 | 49.65 | 30.25 | 58.24 |
| Prostaglandin F1alpha | -70.21 | -41.29 | -59.23 | -61.07 | -68.58 | -50.23 | -73.03 | -27.29 | -44.75 | -76.94 | -77.96 | -66.92 | -89.11 |
| Carazolol | 78.73 | 44.50 | 47.88 | 53.00 | 62.83 | 83.83 | 82.52 | 46.37 | 62.68 | 91.25 | 92.57 | 68.34 | 92.46 |
| Bufetolol hydrochloride | -35.12 | -57.52 | -44.74 | -72.19 | -22.40 | -63.86 | -20.19 | -35.51 | -34.17 | 21.77 | 6.11 | -53.49 | -23.14 |
| Nafetolol | 25.14 | 13.83 | -2.58 | 40.84 | 39.99 | 22.80 | 34.09 | 39.45 | 54.88 | 41.12 | 35.84 | 41.94 | 23.91 |
| Talinolol | -46.34 | -83.73 | -72.46 | -59.44 | 1.51 | -69.05 | -64.93 | -83.96 | -77.56 | -17.07 | -8.45 | -80.75 | -33.32 |
| Iodofenphos | -97.01 | -95.24 | -94.36 | -89.59 | -71.77 | -92.97 | -78.10 | -97.31 | -98.36 | -86.45 | -96.12 | -94.68 | -81.96 |
| Xanthine | -70.06 | -75.01 | -89.85 | -74.33 | -92.09 | -60.10 | -87.23 | -85.80 | -87.63 | -94.87 | -89.74 | -84.13 | -77.73 |
| Tiopronin | -98.04 | -98.12 | -96.83 | -95.12 | -93.30 | -98.37 | -98.13 | -95.43 | -98.98 | -88.64 | -81.76 | -99.05 | -95.79 |
| Magnesii metioglicas | -91.08 | -94.71 | -93.59 | -96.82 | -92.12 | -96.30 | -80.92 | -94.69 | -97.37 | -98.90 | -98.41 | -99.54 | -94.24 |
| Thioctamide | -82.24 | -92.10 | -96.52 | -90.36 | -88.55 | -91.28 | -55.76 | -92.65 | -91.67 | -88.03 | -87.08 | -96.00 | -84.12 |
| Bietamiverine | 81.84 | 86.33 | 85.55 | 69.72 | 83.35 | 86.81 | 80.96 | 95.93 | 84.57 | 85.76 | 80.40 | 89.43 | 83.16 |
| Pinaverium | 70.25 | 81.06 | 88.72 | 89.47 | 87.25 | 62.07 | 35.45 | 97.68 | 89.07 | 91.44 | 75.75 | 97.30 | 80.62 |
| Fludalanine | -96.11 | -98.11 | -95.81 | -98.47 | -97.47 | -97.31 | -93.68 | -96.71 | -97.41 | -92.92 | -92.73 | -96.51 | -97.88 |
| Arsylen | -98.95 | -99.09 | -97.70 | -97.14 | -89.38 | -98.51 | -96.71 | -98.38 | -98.27 | -79.76 | -95.58 | -91.00 | -99.21 |
| Fosmidomycin sodium | -97.48 | -97.55 | -95.85 | -99.25 | -97.76 | -93.16 | -96.22 | -98.33 | -95.94 | -98.92 | -98.74 | -98.58 | -98.22 |
| Fluoramphenicol | -49.47 | -17.87 | -10.46 | -69.79 | -68.00 | -53.45 | -65.39 | -77.55 | -55.55 | -75.22 | -85.31 | -22.36 | -76.27 |
| Nitrofurylather | -43.75 | -17.92 | -31.10 | -62.30 | -59.15 | -55.74 | -74.89 | -85.91 | -64.75 | -79.38 | -93.17 | -57.08 | -39.55 |
| Parabortine | -22.40 | -75.93 | -31.77 | 33.76 | 35.28 | -79.62 | 21.79 | -46.04 | -92.41 | -5.37 | -12.50 | -22.44 | -17.58 |
| Isalon Diwag | 30.89 | 53.56 | 66.07 | 40.57 | 41.19 | 51.28 | 30.72 | 67.22 | 34.33 | 48.82 | 30.17 | 65.12 | 24.49 |

$\Delta P\%^{a,b,c,d,e,f,g,h,i,j,k,l,m}$ las letras a-m representan los modelos discriminantes 4.1 a 4.13 respectivamente.

[Anexos](#)

Anexo 3a. Los valores de ΔP% para los compuestos con otras actividades

| Nombre | Act. | ΔP % ^a | ΔP % ^b | ΔP% ^c | ΔP % ^d | ΔP % ^e | ΔP % ^f | ΔP% ^g | ΔP % ^h | ΔP % ⁱ | ΔP % ^j | ΔP % ^k | ΔP % ^l | ΔP % ^m |
|--------------------------------------|------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 0001 Amantadine | ATV | -45.95 | -76.44 | -62.06 | -57.10 | -27.37 | -50.72 | -39.09 | -48.43 | -61.61 | -30.62 | -44.60 | -44.61 | -45.03 |
| 0002 Ro 09-179 | ATV | 84.45 | 97.01 | 93.50 | 91.31 | 40.88 | 89.68 | 91.14 | 80.66 | 85.23 | 85.34 | 81.66 | 87.43 | 89.51 |
| 0003 DCF, BW 683c | ATV | 98.52 | 97.87 | 98.64 | 98.15 | 98.13 | 98.56 | 98.64 | 97.66 | 98.60 | 98.11 | 98.01 | 96.61 | 98.21 |
| 0004 4- chloro-6-cyano flavan | ATV | 99.20 | 98.71 | 99.05 | 99.01 | 98.17 | 99.40 | 99.56 | 98.89 | 99.51 | 99.33 | 99.42 | 98.18 | 98.93 |
| 0005 Enviroxime | ATV | 30.66 | 32.58 | 9.57 | 97.04 | 49.72 | 69.24 | 98.17 | 27.47 | 43.07 | 93.81 | 84.86 | 40.05 | 36.39 |
| 0006 Radicinin | ATV | 63.57 | 74.54 | 54.23 | 68.49 | -15.40 | 53.57 | 49.62 | 58.04 | 71.74 | 8.63 | 8.47 | 48.56 | 41.68 |
| 0013 TBHQ | ATV | 18.26 | 33.09 | 13.03 | 43.68 | 20.25 | 34.93 | -12.73 | 22.24 | 30.70 | -20.98 | -37.31 | 29.70 | 8.90 |
| 0014 C3-DHCeA | ATV | 55.14 | 49.80 | 33.66 | 4.35 | 50.62 | 50.48 | 48.77 | 20.36 | 38.10 | 4.17 | -10.15 | 12.03 | 47.71 |
| 0019 Futhan | ATV | 90.55 | 67.82 | 86.22 | 95.71 | 97.57 | 96.75 | 84.02 | 11.21 | 54.78 | 96.87 | 98.66 | 76.85 | 98.16 |
| 0034 Oxolin | ATV | 77.32 | 93.55 | 80.79 | 66.72 | 57.75 | 84.67 | 86.80 | 85.81 | 93.03 | 79.37 | 64.50 | 65.29 | 92.48 |
| 0036 Xenyglokal | ATV | 90.47 | 95.41 | 93.13 | 95.53 | 89.50 | 94.92 | 93.95 | 87.46 | 97.15 | 97.17 | 97.76 | 94.75 | 91.14 |
| 0039 Arildone | ATV | 70.34 | 88.84 | 93.22 | 84.99 | 61.06 | 76.48 | 87.24 | 90.78 | 88.00 | 80.30 | 83.28 | 89.84 | 70.49 |
| 0040 Aphidicolin | ATV | -13.05 | 39.54 | 63.40 | 56.86 | -8.85 | -10.07 | 39.34 | 50.88 | 69.85 | 7.56 | 11.87 | 56.73 | -62.92 |
| 0043 Indinavir | ATV | 99.87 | 99.56 | 99.82 | 99.88 | 99.98 | 99.83 | 99.69 | 99.74 | 99.03 | 99.82 | 99.79 | 98.97 | 99.93 |
| 0045 Saquinavir | ATV | 98.19 | 91.51 | 98.25 | 98.52 | 99.85 | 98.17 | 98.15 | 96.70 | 93.00 | 99.71 | 99.72 | 89.89 | 99.50 |
| 0062 Vernelan | HS | -96.12 | -98.09 | -96.24 | -97.14 | -93.83 | -96.71 | -95.37 | -90.86 | -95.18 | -92.03 | -86.20 | -96.86 | -97.43 |
| 0068 Methonal | HS | -94.51 | -95.20 | -94.42 | 94.86 | -38.12 | -99.34 | 67.29 | -78.12 | -60.39 | 31.40 | -65.41 | -96.27 | -93.93 |
| 0070 Clomethiazole | HS | 1.55 | -26.68 | -19.11 | -9.57 | -35.30 | -23.90 | 25.59 | 6.98 | 20.58 | -45.84 | -55.46 | -8.07 | -34.76 |
| 0085 Nevanide | HS | 15.80 | -0.61 | -2.48 | -8.02 | 4.96 | 29.17 | -10.46 | -17.11 | -23.92 | -10.08 | 4.32 | -12.42 | 5.09 |
| 0086 Ethchlorvynol | HS | -8.99 | -19.79 | -4.67 | -11.69 | -31.45 | 4.27 | 8.32 | 9.33 | 9.39 | -22.17 | -26.00 | 24.19 | -25.53 |
| 0090 Aminoglutethimide | Cr | 69.50 | 64.82 | 75.74 | 79.93 | 61.48 | 77.28 | 72.02 | 81.05 | 52.43 | 69.78 | 86.62 | 80.44 | 67.09 |
| 0097 LU 2443 | ATCE | 64.79 | 21.55 | 21.80 | 56.90 | 67.00 | -9.07 | -0.55 | 14.47 | -45.35 | 47.21 | 47.91 | -48.94 | 42.66 |
| 0098 Chlorphenacemide | ATCE | -27.09 | -10.41 | 12.34 | 14.51 | 12.57 | 15.65 | -47.22 | -64.73 | -14.63 | -24.12 | -19.77 | 4.27 | -8.64 |
| 0099 Phenacemide | ATCE | 10.38 | 21.97 | 30.31 | 48.34 | 46.83 | 34.56 | -16.39 | -33.88 | 24.36 | 19.85 | 32.05 | 31.85 | 7.22 |
| 0100 Atrolactamide | ATCE | 0.55 | 19.59 | 32.77 | 24.77 | 8.49 | 14.86 | 30.77 | -12.06 | 13.59 | 46.76 | 48.00 | 32.45 | 0.97 |
| 0104 IL-16 | ATCE | 51.77 | -34.16 | 31.60 | 40.77 | 60.06 | 6.34 | -9.10 | 19.60 | -32.19 | 47.51 | 59.50 | 1.77 | 50.30 |
| 0105 Brofoxine | ATCE | 42.76 | 29.24 | 29.42 | 76.14 | 69.56 | 42.32 | -35.35 | 75.20 | 64.82 | 76.54 | 68.19 | 50.96 | 44.76 |
| 0106 Norantoin | ATCE | 83.61 | 68.07 | 74.64 | 66.87 | 74.44 | 82.02 | 76.36 | 60.25 | 44.84 | 74.78 | 80.70 | 71.07 | 79.17 |

Anexo 3a. cont.

| Nombre | Act. | ΔP % ^a | ΔP % ^b | ΔP% ^c | ΔP % ^d | ΔP % ^e | ΔP % ^f | ΔP% ^g | ΔP % ^h | ΔP % ⁱ | ΔP % ^j | ΔP % ^k | ΔP % ^l | ΔP % ^m |
|-----------------------------------|-----------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 0108 Buramate | ATCE | 39.61 | 37.50 | 28.97 | 9.02 | 16.84 | 39.16 | 33.95 | 17.80 | 10.36 | 58.14 | 73.47 | 49.77 | 2.31 |
| 0111 Mephebarital | ATCE | 76.12 | 77.72 | 69.96 | 88.02 | 43.63 | 84.29 | 65.81 | 41.56 | 61.22 | 50.83 | 74.60 | 70.35 | 71.44 |
| 0112 Phensuximide | ATCE | 95.01 | 90.66 | 94.18 | 91.34 | 93.74 | 93.65 | 93.15 | 92.05 | 88.05 | 92.77 | 94.01 | 90.56 | 91.84 |
| 0114 Zebromal | ATCE | -36.40 | 9.50 | 67.61 | 58.89 | 57.33 | 55.26 | -28.01 | 80.17 | 40.34 | 72.63 | 75.87 | 8.12 | 57.96 |
| 0116 Nirvanol | ATCE | 67.60 | 73.66 | 73.44 | 78.38 | 67.89 | 80.14 | 65.48 | 76.87 | 58.32 | 74.14 | 79.95 | 77.12 | 64.58 |
| 0118 Pheneturide | ATCE | 18.44 | 45.95 | 52.15 | 66.17 | 44.92 | 49.25 | 11.40 | 10.48 | 39.31 | 39.51 | 59.78 | 66.60 | 13.65 |
| 0119 Tetrantoin | ATCE | 85.03 | 81.92 | 85.27 | 88.42 | 88.05 | 89.46 | 83.56 | 87.27 | 80.63 | 87.51 | 92.33 | 85.79 | 84.52 |
| 0120 Phenobarbital | ATCE | 78.80 | 84.77 | 77.70 | 90.78 | 50.90 | 88.30 | 66.80 | 74.32 | 70.39 | 52.67 | 78.52 | 82.53 | 70.38 |
| 0122 Metindion | ATCE | 74.40 | 77.50 | 75.04 | 64.72 | 48.36 | 73.54 | 87.51 | 89.48 | 73.88 | 87.09 | 90.94 | 89.64 | 78.86 |
| 0123 Mesuximide | ATCE | 94.51 | 90.23 | 94.21 | 93.98 | 93.48 | 93.39 | 94.86 | 92.63 | 89.85 | 93.68 | 95.31 | 93.23 | 92.41 |
| 0124 Phenylthilone | ATCE | 76.26 | 86.42 | 86.18 | 85.23 | 75.33 | 83.15 | 90.43 | 91.47 | 82.00 | 82.68 | 82.11 | 84.00 | 72.95 |
| 0125 Metetoin | ATCE | 81.28 | 86.78 | 88.07 | 89.88 | 80.59 | 88.48 | 85.39 | 89.20 | 79.66 | 84.18 | 88.62 | 90.18 | 79.75 |
| 0126 Mephentyoin | ATCE | 83.27 | 74.83 | 83.75 | 84.18 | 76.30 | 85.56 | 86.74 | 83.67 | 64.12 | 84.42 | 89.41 | 87.80 | 79.68 |
| 0127 Primidone | ATCE | 74.87 | 82.99 | 73.93 | 79.99 | 39.13 | 77.50 | 81.09 | 67.44 | 63.97 | 73.74 | 89.02 | 85.62 | 66.83 |
| 0128 Tiletamine hydrochloride | ATCE | 55.82 | 49.12 | 46.95 | 33.27 | 13.41 | 19.84 | 63.38 | 76.16 | 56.11 | 60.89 | 71.02 | 60.76 | 13.29 |
| 0148 Calcium Sodium ferriclate | Hmt | -99.99 | 99.99 | -98.21 | -100.0 | -100.0 | 99.44 | -99.72 | -100.0 | 100.0 | -100.0 | -100.0 | -99.90 | -100.0 |
| 0149 Diciferron | Hmt | 98.63 | 91.76 | 91.59 | 91.63 | 96.66 | 90.87 | 82.93 | 75.20 | 75.85 | 89.99 | 82.64 | 61.53 | 72.84 |
| 0157 Ferroceron | Hmt | 99.94 | 99.79 | 99.58 | 99.64 | 99.68 | 99.80 | 99.69 | 98.87 | 97.63 | 99.45 | 99.44 | 96.62 | 98.39 |
| 0158 Phenolphthalein | Cr | 99.92 | 99.84 | 99.80 | 99.83 | 99.87 | 99.95 | 99.85 | 99.61 | 99.79 | 99.77 | 99.83 | 99.24 | 99.94 |
| 0159 Phenoltetrachlorophthalein | Cr | 88.52 | 87.01 | 91.01 | 97.35 | 92.24 | 99.24 | 90.33 | 87.37 | 95.85 | 91.25 | 93.50 | 88.78 | 98.71 |
| 0160 Aloe-Emodin | Cr | 92.40 | 94.42 | 85.14 | 94.07 | 79.90 | 98.19 | 95.85 | 88.71 | 96.41 | 87.74 | 82.69 | 90.21 | 97.72 |
| 0163 Bisacodyl | Cr | 99.98 | 99.96 | 99.98 | 99.97 | 99.99 | 99.97 | 99.95 | 99.99 | 99.97 | 100.0 | 100.0 | 99.94 | 99.96 |
| 0164 Bisoxatin acetate | Cr | 99.98 | 99.97 | 99.97 | 99.97 | 99.98 | 99.97 | 99.95 | 99.99 | 99.97 | 100.0 | 100.0 | 99.87 | 99.98 |
| 0165 Colocynthin | Cr | 94.97 | 98.26 | 99.83 | 99.84 | 99.10 | 88.13 | 99.02 | 99.83 | 99.58 | 99.56 | 99.58 | 98.55 | 90.91 |
| 0166 Danthron | Cr | 94.72 | 95.19 | 86.61 | 95.35 | 88.44 | 98.36 | 97.47 | 94.25 | 97.22 | 92.54 | 92.87 | 90.21 | 98.81 |
| 0167 Emodin | Cr | 82.34 | 88.34 | 68.42 | 92.32 | 64.30 | 96.03 | 93.17 | 87.66 | 94.33 | 80.69 | 80.55 | 82.74 | 96.59 |
| 0168 Oxyphenisatin Acetate | Cr | 99.99 | 99.98 | 99.98 | 99.99 | 99.99 | 99.99 | 99.98 | 100.0 | 99.99 | 100.0 | 100.0 | 99.98 | 99.99 |
| 0169 Phenolphthaleol | Cr | 99.91 | 99.88 | 99.88 | 99.85 | 99.85 | 99.94 | 99.73 | 99.58 | 99.73 | 99.41 | 99.55 | 99.42 | 99.83 |

Anexo 3a. cont.

| Nombre | Act. | ΔP % ^a | ΔP % ^b | ΔP% ^c | ΔP % ^d | ΔP % ^e | ΔP % ^f | ΔP% ^g | ΔP % ^h | ΔP % ⁱ | ΔP % ^j | ΔP % ^k | ΔP % ^l | ΔP % ^m |
|------------------------------------|------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 0170 Picosulfate | Hms | 70.34 | 96.78 | 88.58 | 98.81 | 81.17 | 98.97 | 36.62 | 62.16 | 78.79 | 95.68 | 88.48 | 53.51 | 94.97 |
| 0180 Naftazone | Hms | 42.57 | 52.03 | 43.31 | 52.14 | 54.33 | 64.49 | 53.45 | -18.86 | 54.29 | 76.71 | 76.74 | 62.02 | 75.82 |
| 0182 Hydрастинине hydrochloride | Hms | 57.90 | 74.37 | 48.21 | 48.63 | 42.62 | 66.71 | 55.27 | 34.33 | 75.03 | 21.49 | -2.20 | 73.57 | 55.79 |
| 0183 Styptol | Hms | 24.12 | 68.86 | 26.26 | 42.16 | -4.43 | 46.74 | 53.71 | 30.64 | 62.88 | -2.24 | -36.67 | 79.48 | 31.48 |
| 0184 Iprazochrome | Hms | -72.33 | -45.54 | -63.11 | -24.65 | -50.85 | -57.56 | -81.56 | -79.17 | -35.36 | -67.87 | -71.58 | -35.70 | -52.00 |
| 0185 Lodal | Hms | 68.17 | 73.95 | 74.03 | 84.71 | 70.73 | 67.68 | 84.62 | 74.23 | 76.84 | 67.64 | 57.57 | 91.35 | 75.11 |
| 0189 Hydrastine | Hms | 98.81 | 99.60 | 99.07 | 99.34 | 98.15 | 99.17 | 99.21 | 98.72 | 99.29 | 97.94 | 95.46 | 99.58 | 98.98 |
| 0190 Oxamarin | Hms | 64.42 | 88.15 | 85.20 | 83.00 | 68.10 | 78.38 | 67.88 | 96.15 | 93.42 | 77.81 | 79.70 | 86.89 | 73.21 |
| 0191 Besunide | Dtc | 58.51 | 63.38 | 58.38 | 35.73 | 48.75 | 76.20 | 12.70 | 51.83 | 91.29 | 56.15 | 68.31 | 65.86 | 53.39 |
| 0193 Morfafen | Dtc | 97.27 | 93.47 | 87.27 | 88.78 | 96.49 | 96.97 | 97.38 | 98.09 | 96.11 | 98.39 | 98.11 | 94.98 | 96.87 |
| 0194 Polyurene | Dtc | 94.76 | 81.26 | 70.63 | 94.56 | 54.25 | 91.30 | 80.83 | 70.15 | 62.75 | -33.91 | 47.04 | 85.10 | 66.91 |
| 0195 Pytamine hydrochloride | Dtc | 96.87 | 98.65 | 98.33 | 98.41 | 97.21 | 98.13 | 97.65 | 98.86 | 98.46 | 95.99 | 95.00 | 99.00 | 97.04 |
| 0197 MJ 8592-1 | Dtc | 99.82 | 99.44 | 99.46 | 99.60 | 99.86 | 99.85 | 99.46 | 99.70 | 99.39 | 99.73 | 99.77 | 99.34 | 99.87 |
| 0198 DS-511 | Dtc | 94.39 | 96.55 | 91.86 | 85.89 | 91.26 | 97.58 | 98.24 | 99.00 | 98.85 | 98.90 | 97.45 | 99.01 | 97.43 |
| 0199 Hydroxindasate | Dtc | 98.81 | 99.09 | 99.47 | 99.68 | 99.27 | 98.71 | 99.12 | 99.54 | 99.64 | 99.80 | 99.76 | 99.69 | 98.30 |
| 0200 Canrenone | Dtc | 99.64 | 99.84 | 99.92 | 99.91 | 99.78 | 99.61 | 99.75 | 99.95 | 99.92 | 99.82 | 99.81 | 99.77 | 99.19 |
| 0201 Prorenone | Dtc | 99.67 | 99.88 | 99.94 | 99.95 | 99.81 | 99.67 | 99.80 | 99.96 | 99.94 | 99.82 | 99.81 | 99.79 | 99.24 |
| 0202 Spiroxasone | Dtc | 99.28 | 99.58 | 99.64 | 99.87 | 99.36 | 97.73 | 99.64 | 99.88 | 99.78 | 99.62 | 99.48 | 99.31 | 96.98 |
| 0203 Spironolactone | Dtc | 99.63 | 99.65 | 99.76 | 99.93 | 99.75 | 98.57 | 99.77 | 99.93 | 99.85 | 99.82 | 99.76 | 99.35 | 98.32 |
| 0204 Natrii dehydrocholas | Dtc | 96.52 | 98.48 | 99.43 | 99.54 | 98.66 | 96.46 | 98.09 | 99.60 | 99.46 | 98.87 | 99.15 | 97.44 | 94.62 |
| 0205 Decinin | Dtc | 99.53 | 99.79 | 99.79 | 99.85 | 99.50 | 99.81 | 99.80 | 99.98 | 99.94 | 99.86 | 99.91 | 99.97 | 99.73 |
| 0208 Cicletanine | Dtc | 94.92 | 95.31 | 95.05 | 94.37 | 93.10 | 96.09 | 95.89 | 92.46 | 95.60 | 88.59 | 88.85 | 90.86 | 95.02 |
| 0209 Metipamid | Dtc | 5.94 | -12.07 | -44.33 | -34.33 | -20.37 | -69.67 | -15.74 | -27.81 | -18.82 | -90.91 | -90.66 | 7.65 | 98.87 |
| 0214 Glycerol | Dtc | -97.03 | -96.74 | -97.90 | -98.59 | -98.39 | -97.78 | -95.10 | -96.15 | -95.89 | -96.18 | -95.18 | -98.27 | -98.67 |
| 0248 DS-1 | Dtc | 89.80 | 83.61 | 91.38 | 64.48 | 65.51 | 73.00 | 86.83 | 75.09 | 74.22 | 77.26 | 51.14 | 30.50 | 62.39 |
| 0252 Cystamine | Rp | -98.30 | -99.52 | -99.81 | -99.35 | -99.45 | -99.72 | -92.89 | -99.86 | -99.87 | -99.15 | -99.11 | -99.76 | -99.06 |
| 0257 Ficusin | Rp | 97.05 | 96.15 | 93.94 | 92.37 | 94.15 | 96.65 | 95.92 | 94.23 | 96.59 | 95.73 | 95.60 | 89.24 | 97.15 |
| 0258 Mexamin | Rp | 46.55 | 52.20 | 47.17 | 35.61 | 23.80 | 44.77 | 48.81 | -6.65 | 38.00 | 44.20 | 39.58 | 70.62 | 41.16 |
| 0259 Beroxan | Rp | 91.49 | 94.45 | 89.33 | 88.14 | 80.30 | 93.02 | 95.11 | 92.91 | 94.24 | 93.29 | 91.23 | 91.51 | 94.32 |

Anexo 3a. cont.

| Nombre | Act. | ΔP % ^a | ΔP % ^b | ΔP% ^c | ΔP % ^d | ΔP % ^e | ΔP % ^f | ΔP% ^g | ΔP % ^h | ΔP % ⁱ | ΔP % ^j | ΔP % ^k | ΔP % ^l | ΔP % ^m |
|----------------------------------|-------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 0260 Peucedanin | Rp | 91.91 | 95.50 | 93.29 | 94.02 | 85.54 | 94.15 | 95.95 | 96.78 | 96.83 | 96.63 | 96.42 | 97.06 | 95.26 |
| 0261 Geroquinol | Rp | 77.88 | 90.90 | 92.48 | 95.46 | 76.80 | 87.08 | 85.19 | 89.85 | 94.81 | 70.04 | 70.30 | 84.78 | 73.29 |
| 0263 Glicondamide | ATDb | 13.47 | 5.14 | 14.12 | 56.54 | -5.17 | 4.00 | -1.68 | -61.07 | -12.36 | 28.46 | 38.97 | 29.90 | -14.46 |
| 0264 Ciglitazone | ATDb | 90.30 | 75.21 | 70.99 | 75.99 | 89.00 | 77.98 | 84.24 | 81.50 | 64.29 | 81.31 | 82.81 | 72.49 | 87.90 |
| 0265 Glibornuride | ATDb | 30.65 | 69.06 | 88.06 | 95.21 | 48.29 | 43.91 | 37.12 | 73.93 | 82.21 | 14.12 | 39.17 | 64.55 | -24.10 |
| 0270 Glibutimine | ATDb | -2.77 | 2.82 | 39.62 | 59.85 | 38.84 | 2.94 | 30.49 | 45.36 | 37.53 | 22.86 | 73.87 | 27.56 | -32.79 |
| 0271 Glipentide | ATDb | 70.87 | 70.98 | 70.17 | 79.79 | 62.60 | 70.86 | 27.63 | 27.29 | 51.26 | 28.67 | 57.73 | 56.17 | 52.32 |
| 0272 Glicetanile sodium | ATDb | 80.34 | 68.43 | 84.39 | 72.98 | 91.92 | 76.76 | 19.23 | 46.24 | 60.63 | 66.81 | 66.80 | 47.69 | 79.62 |
| 0273 Glibenclamide | ATDb | 50.48 | 35.63 | 38.13 | 67.71 | 43.43 | 52.48 | -29.60 | -18.38 | 27.27 | -12.93 | 13.64 | 29.63 | 27.98 |
| 0274 Glisamuride | ATDb | 38.87 | 11.99 | 33.82 | 52.39 | 46.17 | 33.22 | -21.39 | -29.42 | -2.32 | 0.96 | 50.02 | 16.80 | 33.17 |
| 0275 Gliamilide | ATDb | 16.05 | 61.65 | 8.22 | 96.45 | -22.15 | 73.77 | 30.47 | 0.29 | -27.30 | -63.56 | -14.51 | 24.48 | 33.90 |
| 0276 Glisindamide | ATDb | 90.69 | 74.62 | 73.88 | 89.36 | 85.00 | 89.57 | 46.70 | 57.21 | 78.48 | 55.91 | 87.30 | 72.96 | 81.68 |
| 0277 Gliflumide | ATDb | 87.29 | 90.89 | 95.87 | 89.73 | 95.28 | 83.94 | 57.96 | 80.68 | 85.03 | 79.01 | 75.00 | 82.21 | 81.80 |
| 0278 Gliquidone | ATDb | 93.05 | 88.12 | 91.29 | 97.56 | 89.83 | 93.02 | 81.01 | 79.96 | 93.25 | 79.41 | 91.34 | 91.50 | 89.03 |
| 0281 MCHP | ATDb | 74.76 | 82.93 | 85.34 | 87.14 | 75.80 | 75.43 | 78.66 | 74.70 | 79.06 | 82.42 | 82.93 | 71.66 | 76.03 |
| 0282 Etomoxir | ATDb | 66.88 | 69.65 | 79.31 | 33.98 | 49.99 | 66.02 | 73.66 | 84.62 | 73.16 | 65.62 | 79.71 | 61.78 | 72.35 |
| 0283 TA-078 | ATDb | 89.61 | 96.37 | 95.26 | 93.83 | 79.27 | 89.55 | 90.28 | 80.51 | 79.99 | 75.76 | 75.31 | 93.21 | 79.52 |
| 0284 CGP 11112 | ATDb | -6.36 | -2.64 | 23.49 | 50.38 | 27.11 | 0.37 | -4.17 | 15.55 | 31.86 | -32.49 | 37.67 | 12.59 | -32.86 |
| 0285 Glimepiride | ATDb | 28.20 | 6.69 | 38.97 | 80.28 | 24.26 | 26.92 | -36.70 | 4.94 | 38.73 | -40.75 | 35.20 | 34.68 | -2.91 |
| 0286 Cyasterone | ATDb | 69.35 | 78.28 | 95.25 | 95.43 | 88.49 | 62.30 | 87.07 | 92.27 | 89.76 | 81.46 | 85.27 | 79.44 | 28.68 |
| 0288 RMI 11894 | ATDb | 26.52 | 56.87 | 26.66 | 29.07 | 8.03 | 47.13 | 55.57 | 72.23 | 55.49 | 24.25 | 26.44 | 53.02 | 20.75 |
| 0289 Meglitinide | ATDb | 96.83 | 97.27 | 96.29 | 97.89 | 96.67 | 97.83 | 92.97 | 93.04 | 95.13 | 93.70 | 95.00 | 95.82 | 95.01 |
| 0296 PIDH | ATDb | 63.34 | 53.90 | 51.01 | 14.71 | 55.03 | 58.38 | 60.51 | 36.88 | 20.16 | 31.96 | 31.88 | 17.54 | 73.40 |
| 0307 Centpiperalone | ATDb | 55.64 | 35.17 | -14.74 | 15.91 | 25.43 | 59.69 | 42.73 | 20.04 | 20.01 | 40.08 | 55.45 | 46.48 | 58.02 |
| 0318 Furfurylurea | ATDb | 9.69 | 8.92 | 21.10 | 22.78 | -0.54 | -10.03 | 10.62 | -1.37 | 10.95 | 13.04 | 29.19 | -8.17 | -11.79 |
| 0323 Clomoxir sodium | ATDb | 65.01 | 71.47 | 78.17 | 54.77 | 61.77 | 73.95 | 74.63 | 86.91 | 83.47 | 63.86 | 73.95 | 73.23 | 65.88 |
| 0329 Glyparamide | ATDb | 16.83 | -16.97 | 17.28 | 36.57 | 27.59 | 21.71 | -22.33 | -49.96 | -33.36 | 8.86 | 0.08 | -20.49 | 3.32 |
| 0346 Alarmine | ATHp | 11.96 | 26.93 | 30.02 | 6.87 | -25.33 | 1.07 | 2.70 | -26.47 | -40.06 | -19.15 | -13.11 | 28.20 | -12.82 |
| 0348 Oxdralazine dihydrochloride | ATHp | -96.68 | -96.71 | -97.51 | -97.42 | -98.34 | -98.29 | -97.50 | -99.44 | -99.28 | -98.27 | -97.97 | -95.71 | -96.84 |
| 0349 MK-534 | ATHp | 64.75 | 68.62 | 63.57 | 18.19 | 68.55 | 75.38 | 42.12 | 59.92 | 59.63 | 32.78 | 19.29 | 69.43 | 21.13 |

Anexo 3a. cont.

| Nombre | Act. | ΔP % ^a | ΔP % ^b | ΔP% ^c | ΔP % ^d | ΔP % ^e | ΔP % ^f | ΔP% ^g | ΔP % ^h | ΔP % ⁱ | ΔP % ^j | ΔP % ^k | ΔP % ^l | ΔP % ^m |
|---------------------------------------|-----------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 0351 Clonidine hydrochloride | ATHp | -19.18 | -40.47 | -42.53 | -37.37 | -35.33 | 6.59 | -32.63 | -50.08 | -54.32 | -40.78 | -6.91 | -5.94 | -4.75 |
| 0352 MJ 10459-2 | ATHp | -42.42 | -54.93 | -38.18 | -18.94 | -20.18 | -9.02 | -52.30 | -79.18 | -43.49 | -38.77 | -11.77 | -14.90 | -18.08 |
| 0366 Guanisoquine sulfate | ATHp | -34.98 | -39.99 | -20.86 | 31.46 | 24.06 | -25.70 | -57.35 | -63.60 | 8.97 | 5.43 | 29.59 | 11.42 | -0.19 |
| 0368 Flutonidine hydrochloride | ATHp | 33.99 | 49.71 | 38.76 | 35.25 | 18.60 | 46.70 | 49.53 | 23.38 | 11.12 | 5.22 | 31.03 | 51.80 | 29.88 |
| 0369 Nicopholine | ATHp | 60.28 | 50.76 | 37.47 | -5.73 | 49.69 | 54.56 | 62.57 | 67.67 | 45.40 | 56.35 | 53.15 | 57.04 | 65.04 |
| 0371 Vincamine methyl chloride | GB | 99.63 | 99.36 | 99.13 | 99.75 | 99.48 | 99.76 | 99.57 | 99.51 | 99.54 | 99.04 | 99.12 | 99.47 | 99.78 |
| 0372 Ganglefene hydrochloride | GB | 57.32 | 53.65 | 64.68 | 38.05 | 60.40 | 56.38 | 24.56 | 41.68 | 59.75 | 56.93 | 56.68 | 35.50 | 58.80 |
| 0374 Metadiphenii bromidum | GB | 99.43 | 99.02 | 99.40 | 99.30 | 99.70 | 99.48 | 98.68 | 99.21 | 98.34 | 99.18 | 98.88 | 98.30 | 99.13 |
| 0375 Trimetaphan camsilate | GB | 99.96 | 99.84 | 99.90 | 99.74 | 99.93 | 99.89 | 99.96 | 99.78 | 99.35 | 99.54 | 99.52 | 99.13 | 99.89 |
| 0376 BAEA | GB | 98.87 | 99.58 | 99.71 | 99.76 | 98.54 | 99.05 | 99.30 | 97.59 | 97.89 | 98.81 | 97.60 | 99.74 | 98.99 |
| 0377 Stilonium iodide | GB | 99.61 | 99.72 | 99.88 | 99.76 | 99.78 | 99.74 | 99.45 | 99.81 | 99.61 | 99.63 | 99.59 | 99.32 | 99.46 |
| 0378 Quateron | GB | 64.94 | 76.67 | 85.90 | 83.70 | 77.75 | 72.60 | 56.53 | 90.70 | 78.93 | 77.51 | 80.77 | 73.73 | 62.39 |
| 0379 Pentaquinomethonium | GB | 99.98 | 99.94 | 99.97 | 99.96 | 99.99 | 99.98 | 99.99 | 99.99 | 99.98 | 99.98 | 99.99 | 99.96 | 99.99 |
| 0380 Phenactropinium chloride | GB | 99.88 | 99.88 | 99.91 | 99.87 | 99.94 | 99.85 | 99.76 | 99.92 | 99.71 | 99.73 | 99.71 | 99.49 | 99.85 |
| 0381 Paramyon | GB | 98.47 | 98.26 | 98.87 | 99.82 | 99.75 | 98.78 | 94.76 | 97.98 | 98.97 | 98.23 | 94.14 | 99.69 | 98.75 |
| 0382 Pentacynium chloride | GB | 99.07 | 95.76 | 93.42 | 98.66 | 99.55 | 99.37 | 99.16 | 97.00 | 97.42 | 99.02 | 97.99 | 96.42 | 99.61 |
| 0383 Benzochinoniumchlorid | GB | 99.82 | 99.72 | 99.84 | 99.91 | 99.94 | 99.76 | 99.60 | 99.97 | 99.56 | 99.86 | 99.87 | 99.85 | 99.82 |
| 0384 Pancuronium bromide | GB | 96.54 | 96.77 | 98.98 | 99.70 | 99.68 | 96.94 | 98.66 | 99.86 | 99.14 | 99.78 | 99.09 | 98.36 | 97.94 |
| 0385 Benperazini bromidum | GB | 98.85 | 98.68 | 99.30 | 99.44 | 99.84 | 99.34 | 99.03 | 99.96 | 98.90 | 99.73 | 99.43 | 99.84 | 99.47 |
| 0396 Tetramethoquine methiodide | GB | 64.87 | 28.38 | 20.77 | 70.53 | 76.74 | 64.24 | 72.99 | 64.34 | 55.25 | 75.64 | 72.14 | 86.32 | 77.71 |

Anexo 3a. cont.

| Nombre | Act. | ΔP % ^a | ΔP % ^b | ΔP% ^c | ΔP % ^d | ΔP % ^e | ΔP % ^f | ΔP% ^g | ΔP % ^h | ΔP % ⁱ | ΔP % ^j | ΔP % ^k | ΔP % ^l | ΔP % ^m |
|---------------------------------|-------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 0402 Imekhin | GB | -18.99 | -7.42 | 41.46 | 57.85 | 57.94 | -8.57 | -19.39 | 31.27 | 38.30 | 5.69 | -23.33 | 10.88 | -15.90 |
| 0403 Dimecamine | GB | -22.36 | 14.62 | 60.81 | 51.56 | -0.90 | -5.79 | 11.37 | 28.86 | 42.45 | -0.08 | -19.32 | 49.58 | -19.74 |
| 0405 Temechin | GB | -26.68 | -19.25 | 1.98 | 20.91 | 26.12 | -25.23 | -34.72 | -1.67 | 44.18 | -3.78 | -31.29 | -20.60 | -23.07 |
| 0406 Mecamylamine hydrochloride | GB | -40.37 | -12.39 | 38.08 | 17.97 | -37.16 | -41.72 | -4.89 | 9.69 | 6.83 | -15.00 | -25.05 | 31.27 | -56.79 |
| 0430 Sevoflurane | Ast | -90.11 | -81.41 | -69.28 | -96.19 | -88.58 | -76.19 | -95.35 | -80.68 | -89.55 | -98.22 | -98.56 | -68.27 | -99.30 |
| 0436 Benzylicum | Ast | 62.10 | 73.36 | 66.33 | 49.39 | 43.80 | 64.85 | 48.48 | 49.72 | 63.72 | 27.23 | 13.16 | 56.80 | 33.25 |
| 0437 Saligenol | Ast | 31.98 | 54.54 | 34.07 | 19.20 | -0.10 | 42.27 | 18.53 | 17.96 | 32.17 | -25.04 | -20.75 | 19.60 | -0.43 |
| 0438 Metacaine | Ast | 42.85 | 13.34 | 27.14 | 9.27 | 22.32 | 40.88 | 19.51 | 41.43 | -9.57 | 52.80 | 60.35 | 34.10 | 24.59 |
| 0439 Subcutin | Ast | 42.13 | 13.75 | 31.02 | 8.33 | 21.84 | 39.38 | 18.74 | 39.87 | -7.83 | 53.09 | 62.69 | 33.88 | 23.89 |
| 0445 Risocaine | Ast | 40.82 | 7.21 | 19.37 | -6.98 | 16.54 | 37.85 | 8.41 | 17.14 | -17.10 | 6.31 | 41.51 | 15.56 | 26.60 |
| 0448 Butamben | Ast | 42.21 | 10.40 | 19.21 | -8.28 | 17.87 | 40.74 | 8.84 | 23.50 | -23.91 | -3.59 | 29.53 | 23.39 | 27.06 |
| 0449 Isobutamben | Ast | 34.69 | -19.79 | -6.89 | -28.49 | 17.17 | 24.79 | -11.04 | -32.96 | -32.33 | -30.76 | 14.12 | -19.51 | 30.12 |
| 0463 Carbimazole | IT | 46.33 | -57.89 | -37.92 | -41.02 | -48.70 | -44.06 | -38.67 | -27.36 | -60.06 | -61.78 | -37.03 | -42.75 | -27.23 |
| 0466 Fluorotyrosinum | IT | -45.96 | -55.52 | -36.06 | -63.50 | -56.88 | -53.13 | -35.28 | -61.17 | -68.04 | -53.69 | -30.54 | -38.01 | -58.63 |
| 0467 Thibenzazoline | IT | 76.54 | 47.54 | -10.18 | 25.27 | 0.59 | 26.76 | 65.65 | -16.29 | 33.26 | -5.35 | -11.72 | 34.55 | -1.29 |
| 0469 Bentuiracil | IT | 61.25 | 77.15 | 73.25 | 73.99 | 77.20 | 64.87 | 2.35 | 41.93 | -5.34 | 59.94 | 65.85 | -21.34 | 78.38 |
| 0471 Thiophenobarbital | IT | 80.18 | 44.24 | 47.83 | 89.24 | 48.40 | 42.37 | 66.56 | 61.44 | 5.51 | 43.77 | 69.18 | 57.90 | 53.34 |
| 0482 Mecytosine | Mx | -83.61 | -75.06 | -78.71 | -77.87 | -84.46 | -77.93 | -70.68 | -73.77 | -82.02 | -82.70 | -78.77 | -74.77 | -73.68 |
| 0492 Pivalylindandione | ATCg | 92.52 | 86.05 | 82.24 | 89.06 | 86.84 | 89.94 | 89.84 | 83.24 | 92.75 | 92.47 | 92.85 | 82.14 | 94.85 |
| 0493 Fluindarol | ATCg | 99.75 | 99.71 | 99.65 | 99.58 | 99.74 | 99.81 | 99.07 | 99.11 | 99.65 | 99.26 | 99.34 | 99.07 | 98.93 |
| 0494 Anisindione | ATCg | 99.65 | 99.65 | 99.57 | 99.48 | 99.41 | 99.66 | 99.45 | 98.68 | 99.38 | 99.35 | 99.19 | 98.45 | 99.59 |
| 0495 Omefin | ATCg | 99.48 | 99.50 | 98.91 | 99.09 | 98.48 | 99.60 | 99.46 | 98.61 | 99.40 | 98.97 | 99.16 | 98.35 | 99.45 |
| 0496 Xylocoumarol | ATCg | 99.37 | 99.45 | 99.06 | 99.68 | 98.63 | 99.72 | 99.40 | 99.49 | 99.71 | 98.81 | 98.89 | 99.14 | 99.52 |
| 0497 Phenprocoumon | ATCg | 99.73 | 99.81 | 99.62 | 99.75 | 99.18 | 99.84 | 99.48 | 99.54 | 99.66 | 99.06 | 99.22 | 99.13 | 99.60 |
| 0498 N | ATCg | 99.91 | 99.86 | 99.74 | 99.92 | 99.72 | 99.97 | 99.92 | 99.84 | 99.93 | 99.89 | 99.91 | 99.64 | 99.97 |
| 0499 Dicumarol | ATCg | 99.78 | 99.74 | 98.84 | 99.75 | 97.70 | 99.85 | 99.54 | 98.66 | 99.43 | 98.69 | 99.47 | 97.24 | 99.81 |
| 0500 Coumachlore | ATCg | 99.69 | 99.56 | 99.38 | 99.69 | 99.41 | 99.74 | 99.08 | 99.39 | 99.63 | 99.51 | 99.51 | 98.27 | 99.59 |
| 0501 Iowarfarin | ATCg | 99.21 | 98.91 | 98.33 | 99.71 | 99.42 | 98.67 | 95.39 | 99.23 | 99.55 | 99.62 | 99.59 | 91.32 | 99.35 |
| 0502 Acenocoumarol | ATCg | 99.65 | 99.69 | 99.40 | 99.49 | 99.04 | 99.63 | 98.45 | 98.87 | 99.30 | 98.97 | 98.98 | 98.36 | 99.53 |
| 0503 Warfarin | ATCg | 99.84 | 99.85 | 99.72 | 99.82 | 99.65 | 99.87 | 99.53 | 99.72 | 99.80 | 99.75 | 99.72 | 99.05 | 99.76 |

Anexo 3a. cont.

| Nombre | Act. | ΔP % ^a | ΔP % ^b | ΔP% ^c | ΔP % ^d | ΔP % ^e | ΔP % ^f | ΔP% ^g | ΔP % ^h | ΔP % ⁱ | ΔP % ^j | ΔP % ^k | ΔP % ^l | ΔP % ^m |
|-----------------------------------|------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 0504 Eticoumarolum | ATCg | 99.79 | 99.84 | 99.30 | 99.82 | 98.24 | 99.90 | 99.66 | 99.63 | 99.69 | 99.00 | 99.57 | 98.88 | 99.79 |
| 0505 Nitropharin | ATCg | 99.66 | 99.74 | 99.54 | 99.51 | 98.87 | 99.67 | 98.92 | 99.00 | 99.27 | 98.86 | 99.14 | 98.77 | 99.56 |
| 0506 Napharin | ATCg | 99.85 | 99.87 | 99.78 | 99.82 | 99.58 | 99.88 | 99.68 | 99.75 | 99.79 | 99.72 | 99.76 | 99.30 | 99.78 |
| 0507 Cyclocumarol | ATCg | 99.85 | 99.84 | 99.76 | 99.84 | 99.67 | 99.85 | 99.64 | 99.61 | 99.78 | 99.88 | 99.77 | 99.55 | 99.75 |
| 0508 Oxazidione | ATCg | 99.66 | 99.50 | 98.95 | 98.68 | 99.21 | 99.74 | 99.67 | 99.60 | 99.56 | 99.70 | 99.61 | 99.28 | 99.81 |
| 0509 Coumetarol | ATCg | 99.71 | 99.73 | 98.56 | 99.55 | 97.66 | 99.84 | 98.89 | 97.89 | 99.07 | 97.97 | 98.06 | 97.85 | 99.68 |
| 0510 Picotamide tartrate | ATCg | 99.68 | 99.77 | 99.51 | 99.32 | 99.48 | 99.64 | 99.37 | 97.32 | 97.83 | 98.83 | 99.17 | 98.22 | 99.76 |
| 0511 Clocoumarol | ATCg | 99.73 | 99.80 | 99.55 | 99.84 | 99.28 | 99.88 | 99.07 | 99.59 | 99.71 | 98.65 | 98.91 | 99.37 | 99.59 |
| 0512 Tioclomarol | ATCg | 99.93 | 99.67 | 98.94 | 99.84 | 99.70 | 99.79 | 99.66 | 98.10 | 99.05 | 98.69 | 98.90 | 96.38 | 99.69 |
| 0513 Ethylis biscoumacetas | ATCg | 99.82 | 99.80 | 98.98 | 99.70 | 99.06 | 99.90 | 99.27 | 99.74 | 99.61 | 99.45 | 99.76 | 98.62 | 99.78 |
| 0514 Tioporanum | ATCg | 99.81 | 99.79 | 98.66 | 99.77 | 97.12 | 99.86 | 99.44 | 98.34 | 99.03 | 97.05 | 97.88 | 95.84 | 99.79 |
| 0515 Diphenadione | ATCg | 100.00 | 100.00 | 99.99 | 99.99 | 100.00 | 100.00 | 99.99 | 99.98 | 99.99 | 99.99 | 99.99 | 99.93 | 100.00 |
| 0516 Etiphen | ATCg | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 99.99 | 100.00 |
| 0517 Tilsuprost | ATCg | 12.42 | -19.40 | -6.80 | 15.29 | 5.48 | -20.05 | -4.63 | -14.22 | -44.03 | -22.44 | -12.54 | -40.96 | -54.50 |
| 0518 Prolame | ATCg | 79.78 | 90.76 | 89.78 | 92.21 | 78.65 | 84.82 | 86.07 | 93.38 | 91.01 | 84.20 | 91.32 | 92.44 | 53.98 |
| 0519 Amikhelline hydrochloride | CVd | 47.35 | 88.51 | 56.35 | 64.40 | 9.57 | 77.52 | 77.98 | 92.80 | 91.94 | 68.76 | 67.65 | 73.35 | 82.91 |
| 0520 Metrifudil | CVd | 38.77 | 60.19 | 35.40 | -2.30 | 10.69 | 37.78 | 57.36 | 31.37 | 47.72 | -5.82 | 13.33 | 25.36 | 18.50 |
| 0522 Stenopril | CVd | 99.09 | 99.19 | 99.44 | 99.04 | 99.07 | 99.00 | 98.09 | 98.96 | 98.68 | 98.92 | 98.47 | 98.93 | 97.54 |
| 0523 Pectol | CVd | 98.23 | 98.64 | 98.67 | 97.66 | 97.88 | 98.90 | 98.16 | 99.37 | 98.68 | 98.65 | 98.70 | 98.61 | 98.18 |
| 0524 Visnafylline | CVd | 18.87 | 22.55 | -32.97 | 30.67 | 17.95 | 33.46 | 69.65 | 35.52 | 70.53 | -78.74 | -62.57 | 48.55 | 68.22 |
| 0525 Cinepazic acid | CVd | 53.35 | 74.28 | 79.25 | 70.17 | 61.10 | 65.27 | 79.06 | 86.41 | 55.38 | 74.08 | 71.43 | 89.17 | 71.41 |
| 0526 Efloxate | CVd | 99.64 | 99.72 | 99.66 | 99.25 | 99.34 | 99.61 | 99.56 | 99.77 | 99.63 | 99.77 | 99.81 | 98.73 | 99.66 |
| 0527 Perflavon | CVd | 99.08 | 98.90 | 98.06 | 97.01 | 98.53 | 99.05 | 98.37 | 94.81 | 97.69 | 98.25 | 98.37 | 92.59 | 99.48 |
| 0529 Chloracyzine | CVd | 98.24 | 97.78 | 96.51 | 96.77 | 97.89 | 98.29 | 97.77 | 98.85 | 98.24 | 98.43 | 98.54 | 97.09 | 96.97 |
| 0536 Pentrinitrol | CVd | -97.33 | -98.65 | -98.82 | -99.81 | -99.74 | -98.38 | -99.69 | -99.96 | -99.85 | -99.66 | -99.80 | -99.73 | -97.55 |
| 0544 Methylis nicotinas | CVd | 52.70 | 41.67 | 45.63 | 11.36 | 38.49 | 44.87 | 44.83 | 3.92 | 16.69 | 35.28 | 21.93 | 35.02 | 41.42 |
| 0547 Ethiacin | CVd | 25.51 | 18.34 | 2.17 | -27.55 | 4.61 | 11.12 | 7.65 | -13.12 | 7.07 | 25.69 | 27.38 | 2.32 | 1.77 |
| 0548 Nicorandil | CVd | -3.11 | -3.71 | -20.97 | -60.89 | -40.99 | -12.59 | -33.22 | -27.90 | -63.68 | -3.23 | -19.04 | -7.50 | -6.84 |
| 0550 Ampecyclal | CVd | -98.03 | -99.44 | -98.59 | -98.10 | -95.16 | -98.82 | -98.38 | -99.05 | -98.34 | -94.09 | -96.96 | -98.71 | -98.33 |

Anexo 3a. cont.

| Nombre | Act. | ΔP % ^a | ΔP % ^b | ΔP% ^c | ΔP % ^d | ΔP % ^e | ΔP % ^f | ΔP% ^g | ΔP % ^h | ΔP % ⁱ | ΔP % ^j | ΔP % ^k | ΔP % ^l | ΔP % ^m |
|------------------------------------|------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 0554 Nicodan percuton | CVd | 53.90 | 47.16 | 40.46 | 5.48 | 38.64 | 48.49 | 29.88 | 43.31 | 38.14 | 16.13 | 35.84 | 31.48 | 44.22 |
| 0556 Molsidomine | CVd | -70.74 | -89.41 | -85.03 | -84.04 | -83.43 | -81.69 | -91.57 | -79.89 | -93.62 | -96.98 | -95.53 | -88.69 | -76.14 |
| 0557 6,9 Didesmethylartemisinin | ATM | 48.82 | 38.54 | 66.42 | 34.54 | 37.83 | 22.97 | 55.43 | 65.84 | 57.43 | 50.70 | 48.17 | 18.96 | 41.41 |
| 0558 Hydrolapachol | ATM | 86.36 | 89.22 | 74.43 | 78.42 | 75.67 | 91.57 | 80.70 | 78.48 | 90.82 | 64.13 | 72.40 | 80.36 | 91.70 |
| 0559 Hapinone | ATM | 82.82 | 92.83 | 75.92 | 82.43 | 70.70 | 93.58 | 86.68 | 92.67 | 93.02 | 78.90 | 74.95 | 83.31 | 85.69 |
| 0560 Atovaquone | ATM | 99.92 | 99.95 | 99.91 | 99.87 | 99.88 | 99.93 | 99.88 | 99.94 | 99.90 | 99.80 | 99.82 | 99.79 | 99.87 |
| 0561 Arteflene | ATM | 98.15 | 98.46 | 98.24 | 97.33 | 98.64 | 98.14 | 78.00 | 95.07 | 97.82 | 89.65 | 84.40 | 97.71 | 59.59 |
| 0562 Empiroline | ATM | 91.42 | 93.36 | 92.81 | 84.17 | 92.94 | 95.36 | 67.26 | 85.64 | 93.64 | 73.46 | 88.02 | 96.92 | 24.85 |
| 0563 Refigallol | ATM | -41.31 | 19.86 | -67.96 | -14.08 | -89.92 | 58.03 | 19.64 | -19.91 | 3.93 | -69.51 | -28.16 | -41.82 | 66.68 |
| 0564 Exifone | ATM | 14.23 | 44.21 | -22.78 | -17.28 | -61.46 | 53.68 | 9.01 | -16.73 | -31.68 | -77.25 | -28.05 | -51.61 | 45.34 |
| 0565 Methylene blue | ATM | 91.72 | 86.39 | 82.48 | 95.61 | 95.98 | 90.86 | 94.40 | 87.33 | 92.41 | 94.09 | 93.85 | 94.47 | 93.28 |
| 0567 Dioncophyline B | ATM | 98.63 | 99.08 | 99.03 | 99.91 | 98.01 | 99.79 | 99.56 | 99.73 | 99.81 | 99.39 | 99.34 | 99.82 | 99.76 |
| 0568 Axisonitrile | ATM | 78.48 | 86.09 | 90.69 | 93.13 | 76.44 | 82.02 | 71.42 | 86.73 | 95.07 | 75.66 | 53.00 | 90.55 | 62.50 |
| 0569 Berbamine | ATM | 99.99 | 100.00 | 100.00 | 100.00 | 99.99 | 100.00 | 100.00 | 100.00 | 100.00 | 99.99 | 99.99 | 100.00 | 100.00 |
| 0570 Strychnobrasiline | ATM | 98.84 | 99.38 | 99.25 | 99.62 | 99.24 | 99.16 | 99.31 | 99.76 | 99.64 | 99.63 | 99.43 | 99.62 | 99.13 |
| 0571 Malagoshine | ATM | 98.22 | 98.19 | 98.88 | 97.44 | 97.64 | 98.30 | 98.71 | 98.34 | 96.39 | 98.69 | 98.02 | 99.14 | 98.13 |
| 0572 Berberine | ATM | 98.81 | 98.86 | 99.56 | 99.66 | 98.92 | 99.44 | 99.88 | 99.75 | 99.86 | 99.74 | 99.71 | 99.84 | 99.58 |
| 0573 Peroxycalamenene | ATM | 96.29 | 97.72 | 97.91 | 99.05 | 96.20 | 96.60 | 97.19 | 99.16 | 99.44 | 98.47 | 97.41 | 99.12 | 94.37 |
| 0574 Simalikalactone D | ATM | 85.85 | 91.58 | 97.56 | 96.40 | 90.78 | 76.69 | 89.95 | 94.95 | 90.14 | 66.05 | 78.00 | 69.77 | 80.42 |
| 0575 Gutolactone | ATM | 93.81 | 95.99 | 98.74 | 99.04 | 97.60 | 87.62 | 91.27 | 96.17 | 96.39 | 74.05 | 73.61 | 76.78 | 89.82 |
| 0582 Amquinate | ATM | 72.43 | 87.55 | 83.82 | 89.42 | 62.00 | 90.80 | 75.34 | 93.40 | 95.75 | 83.04 | 84.66 | 97.21 | 74.78 |
| 0583 Dabhekhin | ATM | 97.05 | 94.86 | 96.52 | 96.62 | 95.97 | 98.67 | 97.81 | 98.07 | 97.83 | 98.62 | 98.95 | 97.44 | 98.77 |
| 0584 Aecachinium | ATM | 99.13 | 98.59 | 99.05 | 97.94 | 99.01 | 99.33 | 99.14 | 99.79 | 98.70 | 99.50 | 99.65 | 99.63 | 99.03 |
| 0585 Tebuquine | ATM | 99.84 | 96.48 | 99.17 | 99.63 | 99.92 | 99.87 | 99.47 | 98.59 | 99.24 | 99.89 | 99.90 | 98.53 | 99.95 |
| 0586 Cycloquin | ATM | 92.82 | 89.56 | 62.84 | 77.49 | 75.32 | 95.98 | 80.77 | 29.31 | 69.16 | 78.65 | 82.00 | 72.73 | 94.99 |
| 0587 Cinchonine | ATM | 99.58 | 99.71 | 99.72 | 99.71 | 99.68 | 99.71 | 99.64 | 99.67 | 99.74 | 99.27 | 99.16 | 99.34 | 99.63 |
| 0588 Cinchonidine | ATM | 99.86 | 99.92 | 99.93 | 99.94 | 99.90 | 99.91 | 99.87 | 99.89 | 99.93 | 99.71 | 99.70 | 99.75 | 99.85 |
| 0589 B arteether | ATM | 13.79 | 19.65 | 58.69 | 4.16 | -13.82 | -7.40 | 46.31 | 12.16 | 6.14 | 43.88 | 29.70 | 1.71 | 8.57 |
| 0591 Secoartemisinim | ATM | 14.08 | 14.62 | 50.54 | 5.67 | -8.43 | -6.04 | 46.27 | 44.63 | 33.64 | 51.01 | 48.67 | -10.21 | 6.39 |
| 0592 9-Epiartemisinin | ATM | 50.58 | 46.97 | 74.76 | 47.84 | 28.63 | 29.11 | 66.75 | 64.54 | 52.97 | 57.29 | 61.39 | 26.67 | 46.75 |

Anexo 3a. cont.

| Nombre | Act. | ΔP % ^a | ΔP % ^b | ΔP% ^c | ΔP % ^d | ΔP % ^e | ΔP % ^f | ΔP% ^g | ΔP % ^h | ΔP % ⁱ | ΔP % ^j | ΔP % ^k | ΔP % ^l | ΔP % ^m |
|--|-------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 0593 6-dimethyl,6-difluoromethyl- B- arteether | ATM | 14.66 | 14.46 | 67.60 | -10.46 | -10.27 | -6.87 | 41.11 | 11.60 | 15.95 | 54.72 | 54.01 | 7.90 | -25.91 |
| 0594 Brusatol | ATM | 93.42 | 95.58 | 98.76 | 98.84 | 96.19 | 87.87 | 92.94 | 95.18 | 92.95 | 72.02 | 82.97 | 73.22 | 91.78 |
| 0595 Hexalorxylol | ATM | 65.88 | -2.28 | -47.31 | 65.02 | 71.07 | -7.80 | -70.92 | -84.45 | -91.63 | -11.95 | -31.22 | -73.18 | 14.26 |
| 0596 Supazine | ATM | -92.13 | -89.22 | -94.52 | -82.68 | -92.28 | -83.04 | -94.50 | -94.80 | -72.99 | -91.62 | -71.05 | -85.07 | -94.82 |
| 0600 Metripionate | ATHt | -98.95 | -98.91 | -99.17 | -98.16 | -97.24 | -98.29 | -83.22 | -99.96 | -99.98 | -97.40 | -99.56 | -99.65 | -97.80 |
| 0602 Safersan | ATHt | -84.08 | -97.40 | -96.67 | -95.35 | -92.47 | -99.07 | -95.06 | -95.98 | -99.28 | -91.60 | -89.57 | -98.45 | -90.89 |
| 0604 Actractil | ATHt | 71.32 | 69.02 | 63.44 | 25.24 | 67.27 | 73.72 | 12.54 | 17.60 | 28.74 | -2.27 | -11.38 | 15.14 | 51.52 |
| 0606 Bitranicanate | ATHt | 98.89 | 76.62 | 40.67 | 73.55 | 64.74 | 62.38 | 56.16 | 28.89 | 8.67 | 55.10 | 55.99 | -5.77 | 75.45 |
| 0611 Antienite | ATHt | 91.09 | 55.57 | 39.70 | 38.94 | 68.47 | 53.10 | 83.08 | 48.26 | 38.69 | 44.34 | 41.63 | 16.68 | 71.36 |
| 0612 Nitrodan | ATHt | 87.16 | 36.01 | 31.95 | -8.18 | 2.01 | -20.25 | 45.05 | -63.02 | -70.82 | -52.16 | -66.14 | -44.62 | 68.80 |
| 0613 lobendazole | ATHt | 69.63 | 16.69 | 30.16 | 23.03 | 70.04 | 73.73 | 2.33 | 40.49 | -21.94 | 35.46 | 58.85 | 37.29 | 54.99 |
| 0614 Bromotimol | ATHt | 19.92 | 39.29 | 55.44 | 71.68 | 31.34 | 22.90 | 21.70 | 71.80 | 76.34 | 18.46 | 10.69 | 60.32 | 10.81 |
| 0615 Iodotimol | ATHt | 2.85 | 22.37 | 34.83 | 72.56 | 31.72 | -19.28 | -3.88 | 71.60 | 80.29 | 27.17 | 17.07 | 32.63 | -9.07 |
| 0618 Eucaliptol | ATHt | -27.06 | -4.34 | 7.38 | -6.26 | -5.48 | -29.90 | -6.99 | 24.04 | 44.35 | 41.23 | 3.77 | -3.26 | -27.86 |
| 0619 Antafenite | ATHt | 97.80 | 92.38 | 92.47 | 87.64 | 94.32 | 93.45 | 95.04 | 89.81 | 86.71 | 87.58 | 86.96 | 80.97 | 94.39 |
| 0620 Nitramisole hydrochloride | ATHt | 95.14 | 84.17 | 82.72 | 67.68 | 85.03 | 82.03 | 83.70 | 56.53 | 59.34 | 53.36 | 49.55 | 63.88 | 88.49 |
| 0621 Antazonite | ATHt | 84.95 | 30.29 | 22.86 | 52.39 | 38.73 | 24.19 | 61.36 | 38.51 | 32.89 | 10.50 | 1.81 | -3.73 | 32.86 |
| 0622 Pyrantel tartrate | ATHt | 83.31 | 67.24 | 56.81 | 69.38 | 64.23 | 66.66 | 81.93 | 69.68 | 60.71 | 62.36 | 73.67 | 69.28 | 71.10 |
| 0627 Feniodium cloride | ATHt | 85.44 | -1.35 | 38.40 | 68.03 | 77.00 | -58.69 | 86.00 | 21.85 | 58.57 | 60.63 | 57.20 | -73.96 | 35.53 |
| 0628 Nitazoxanide | ATHt | 80.13 | 59.57 | 26.43 | 71.83 | 64.16 | 58.25 | 0.52 | 52.79 | 12.25 | 53.90 | 17.08 | 30.02 | 62.45 |
| 0629 Tioxidiazole | ATHt | 52.46 | 11.99 | -17.14 | 17.24 | 0.40 | 29.38 | -31.93 | -12.58 | -12.83 | 46.26 | 45.43 | 33.48 | -2.57 |
| 0631 Albendazole | ATHt | 31.61 | -3.71 | -38.70 | 0.64 | -16.58 | 41.43 | 4.28 | -58.19 | -43.13 | 7.27 | -1.19 | 3.11 | -0.88 |
| 0633 Morantel tartrate | ATHt | 84.64 | 78.12 | 79.48 | 81.53 | 66.35 | 74.48 | 89.56 | 85.10 | 85.96 | 67.54 | 79.11 | 84.67 | 69.65 |
| 0634 Cetovex | ATHt | 95.13 | 20.84 | -7.08 | 15.34 | -22.36 | 12.00 | -43.20 | -28.14 | -21.42 | -65.25 | -66.86 | -45.11 | 46.97 |
| 0637 Amendol | ATDp | 98.64 | 98.69 | 98.53 | 99.04 | 98.02 | 99.38 | 99.10 | 99.70 | 99.52 | 99.63 | 99.66 | 99.21 | 98.65 |
| 0638 Ciclopramine | ATDp | 99.19 | 99.64 | 99.45 | 99.42 | 98.43 | 99.29 | 99.49 | 99.19 | 99.53 | 99.29 | 99.43 | 99.37 | 98.81 |
| 0639 Dibenzepine Hidrochloride | ATDp | 97.45 | 96.28 | 94.94 | 95.66 | 98.13 | 98.18 | 97.13 | 95.04 | 95.77 | 96.22 | 95.69 | 96.43 | 98.42 |
| 0640 Mezepine | ATDp | 98.45 | 98.83 | 98.05 | 97.60 | 97.18 | 98.52 | 98.58 | 92.99 | 98.65 | 98.81 | 99.10 | 98.00 | 98.13 |

Anexo 3a. cont.

| Nombre | Act. | ΔP % ^a | ΔP % ^b | ΔP% ^c | ΔP % ^d | ΔP % ^e | ΔP % ^f | ΔP% ^g | ΔP % ^h | ΔP % ⁱ | ΔP % ^j | ΔP % ^k | ΔP % ^l | ΔP % ^m |
|---|------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 0641 Desipramine dibudinate | ATDp | 98.87 | 99.22 | 98.74 | 98.68 | 98.40 | 98.84 | 98.68 | 95.05 | 98.92 | 98.55 | 99.09 | 98.37 | 98.25 |
| 0642 Bifemelane Hidrochloride | ATDp | 96.63 | 97.99 | 95.85 | 90.74 | 93.05 | 93.13 | 93.80 | 82.42 | 89.29 | 96.10 | 97.00 | 87.65 | 91.65 |
| 0644 Demexiptiline hidrochloride | ATDp | 98.99 | 98.31 | 97.88 | 98.44 | 97.64 | 99.09 | 98.97 | 92.14 | 98.49 | 99.40 | 99.50 | 98.31 | 99.22 |
| 0645 Adinazolam | ATDp | 96.87 | 92.44 | 91.18 | 94.92 | 98.69 | 98.13 | 95.45 | 95.08 | 96.53 | 97.73 | 95.89 | 95.24 | 98.72 |
| 0646 Cimoxatone | ATDp | 98.70 | 97.52 | 98.17 | 95.12 | 96.62 | 98.51 | 98.83 | 97.05 | 97.77 | 99.10 | 98.91 | 96.58 | 98.51 |
| 0647 Perafensine | ATDp | 99.34 | 97.85 | 98.00 | 98.09 | 99.02 | 99.49 | 99.53 | 98.91 | 99.39 | 99.69 | 99.70 | 99.31 | 99.51 |
| 0648 Fluperlapine | ATDp | 98.79 | 97.74 | 97.22 | 96.46 | 98.95 | 99.25 | 99.06 | 98.97 | 98.61 | 98.72 | 98.41 | 99.02 | 99.29 |
| 0649 Elanzepine | ATDp | 98.93 | 97.85 | 97.66 | 98.74 | 98.92 | 99.55 | 98.17 | 96.73 | 99.07 | 98.70 | 98.22 | 98.52 | 99.37 |
| 0650 Nortriptyline | ATDp | 99.76 | 99.76 | 99.68 | 99.83 | 99.61 | 99.83 | 99.64 | 99.12 | 99.86 | 99.74 | 99.75 | 99.75 | 99.65 |
| 0651 Protriptyline hidrochloride | ATDp | 99.54 | 99.53 | 99.40 | 99.36 | 98.68 | 99.66 | 99.71 | 95.70 | 99.72 | 99.90 | 99.90 | 99.34 | 99.50 |
| 0652 Mariptiline hidrochloride | ATDp | 98.91 | 98.24 | 98.00 | 98.59 | 97.98 | 98.87 | 98.91 | 86.71 | 98.86 | 99.47 | 99.44 | 98.35 | 98.89 |
| 0653 Pridefine hidrochloride | ATDp | 99.82 | 99.78 | 99.74 | 99.78 | 99.81 | 99.90 | 99.73 | 99.89 | 99.89 | 99.83 | 99.77 | 99.86 | 99.80 |
| 0654 Doxepin hidrochloride | ATDp | 99.51 | 99.30 | 99.02 | 99.26 | 99.42 | 99.71 | 99.16 | 98.55 | 99.55 | 99.29 | 98.97 | 99.07 | 99.68 |
| 0655 Spiroxepin | ATDp | 98.75 | 98.61 | 97.30 | 96.04 | 98.38 | 98.75 | 98.48 | 97.08 | 97.82 | 98.26 | 98.03 | 96.67 | 99.27 |
| 0656 Dosulepin hidrochloride | ATDp | 99.66 | 99.30 | 99.03 | 99.29 | 99.38 | 99.71 | 99.01 | 98.65 | 99.39 | 99.40 | 99.20 | 98.86 | 99.46 |
| 0657 Pizotifen | ATDp | 98.30 | 98.74 | 96.81 | 99.24 | 95.07 | 98.02 | 99.58 | 99.60 | 99.68 | 99.60 | 99.40 | 99.49 | 98.38 |
| 0658 Amedalin hidrochloride | ATDp | 99.39 | 99.18 | 99.01 | 99.04 | 99.26 | 99.54 | 99.16 | 98.52 | 99.05 | 98.98 | 99.06 | 98.89 | 99.36 |
| 0659 Ketimipramine | ATDp | 99.05 | 98.76 | 97.84 | 98.29 | 99.19 | 99.26 | 98.58 | 97.36 | 98.87 | 98.45 | 98.61 | 96.75 | 99.33 |
| 0660 Noxiptiline hidrochloride | ATDp | 98.88 | 98.78 | 98.12 | 98.61 | 98.53 | 99.32 | 98.88 | 98.39 | 98.84 | 98.46 | 98.57 | 98.42 | 99.25 |
| 0661 Almoxatone mesilate | ATDp | 98.08 | 94.38 | 95.95 | 93.03 | 97.57 | 95.66 | 94.75 | 86.67 | 89.00 | 94.78 | 96.85 | 91.97 | 96.81 |
| 0662 Tiazesin hidrochloride | ATDp | 99.22 | 98.64 | 98.25 | 97.43 | 98.88 | 98.81 | 98.34 | 97.46 | 96.85 | 98.75 | 98.63 | 96.45 | 98.74 |

Anexo 3a. cont.

| Nombre | Act. | ΔP % ^a | ΔP % ^b | ΔP% ^c | ΔP % ^d | ΔP % ^e | ΔP % ^f | ΔP% ^g | ΔP % ^h | ΔP % ⁱ | ΔP % ^j | ΔP % ^k | ΔP % ^l | ΔP % ^m |
|--|-------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 0663 Binedaline hidrochloride | ATDp | 56.41 | 55.31 | 39.71 | 26.23 | 51.98 | 65.72 | 48.75 | 21.71 | 35.99 | 71.69 | 59.73 | 56.08 | 76.72 |
| 0664 Imipraminoxide | ATDp | 97.58 | 98.25 | 96.31 | 98.73 | 98.14 | 98.21 | 98.97 | 99.23 | 98.93 | 98.39 | 99.13 | 98.71 | 98.14 |
| 0665 Proksen | ATDp | 99.06 | 98.57 | 97.88 | 98.24 | 98.84 | 99.44 | 98.77 | 96.94 | 99.08 | 99.13 | 98.79 | 97.96 | 99.61 |
| 0666 Etoperidone hidrochloride | ATDp | 73.76 | 68.48 | 81.11 | 85.68 | 85.20 | 79.99 | 78.82 | 94.76 | 75.72 | 69.44 | 79.97 | 87.66 | 88.47 |
| 0667 Prasterone | ATDp | 90.83 | 92.94 | 98.07 | 96.87 | 91.34 | 92.21 | 98.44 | 99.12 | 99.03 | 98.06 | 98.40 | 98.13 | 83.51 |
| 0669 Befuraline | ATDp | 99.76 | 99.70 | 99.58 | 99.10 | 99.75 | 99.76 | 99.74 | 99.75 | 99.50 | 99.68 | 99.66 | 99.44 | 99.87 |
| 0670 Danitracen | ATDp | 99.69 | 99.53 | 99.19 | 99.74 | 99.58 | 99.91 | 99.67 | 99.77 | 99.89 | 99.67 | 99.52 | 99.83 | 99.87 |
| 0671 Cotriptyline | ATDp | 99.80 | 99.67 | 99.62 | 99.81 | 99.83 | 99.89 | 99.70 | 99.83 | 99.87 | 99.90 | 99.83 | 99.77 | 99.87 |
| 0672 Perithiadene | ATDp | 99.83 | 99.72 | 99.51 | 99.74 | 99.70 | 99.89 | 99.75 | 99.82 | 99.88 | 99.81 | 99.72 | 99.83 | 99.76 |
| 0673 Peralopride | ATDp | 92.86 | 85.05 | 83.98 | 44.64 | 91.44 | 93.57 | 87.50 | 75.05 | 53.91 | 76.22 | 77.04 | 92.15 | 96.58 |
| 0674 Mequitazine | ATDp | 99.24 | 98.78 | 98.02 | 96.24 | 98.28 | 99.20 | 99.69 | 99.49 | 99.37 | 99.60 | 99.60 | 98.71 | 99.25 |
| 0675 Litracen | ATDp | 99.76 | 99.38 | 99.67 | 99.88 | 99.80 | 99.83 | 99.55 | 99.26 | 99.87 | 99.70 | 99.65 | 99.85 | 99.78 |
| 0676 Oxaprotiline hidrochloride | ATDp | 99.49 | 99.39 | 99.09 | 99.60 | 99.25 | 99.59 | 99.36 | 97.93 | 99.62 | 99.64 | 99.72 | 99.48 | 99.19 |
| 0677 Pinafide | ATPz | 94.22 | 85.80 | 78.72 | 85.05 | 86.61 | 97.05 | 94.86 | 93.62 | 95.55 | 93.91 | 93.84 | 96.58 | 97.49 |
| 0678 Azanidazole | ATPz | -17.71 | -6.96 | -9.65 | -38.96 | -21.16 | -21.24 | -12.07 | -51.71 | -64.48 | -51.46 | -47.93 | -12.36 | 17.56 |
| 0679 Buparvaquone | ATPz | 94.52 | 94.49 | 89.24 | 92.94 | 92.93 | 96.37 | 93.49 | 88.67 | 97.18 | 90.08 | 86.91 | 86.97 | 97.17 |
| 0680 Carnidazole | ATPz | -67.69 | -92.24 | -88.44 | -90.27 | -86.91 | -95.64 | -60.82 | -97.25 | -96.78 | -96.52 | -97.47 | -91.96 | -78.15 |
| 0682 Diminazone | ATPz | 27.18 | -3.05 | 10.42 | 38.36 | 41.73 | 63.67 | -16.29 | -79.95 | -86.09 | 6.93 | 36.33 | -31.33 | 74.48 |
| 0683 Furazolidone | ATPz | 8.54 | 2.47 | 11.53 | -54.81 | -20.42 | -10.07 | 0.97 | -21.66 | -28.19 | -34.15 | -21.27 | -9.20 | 47.50 |
| 0685 Homidium | ATPz | -99.99 | -100.00 | 97.59 | 100.00 | -98.91 | -98.03 | 99.91 | 99.48 | 99.50 | 99.85 | 99.91 | 99.60 | 87.76 |
| 0686 Hidroxistilbamidine | ATPz | 71.75 | 77.83 | 82.35 | 93.25 | 82.68 | 93.46 | 82.24 | 71.41 | 64.44 | 86.66 | 93.53 | 85.19 | 86.14 |
| 0687 Imidocarb | ATPz | 97.88 | 96.50 | 91.89 | 96.57 | 97.47 | 98.78 | 97.01 | 92.99 | 85.08 | 97.09 | 99.22 | 94.96 | 98.65 |
| 0691 Mepartricin A | ATPz | 95.96 | 85.50 | 99.37 | 94.39 | 97.65 | 72.07 | 95.14 | 95.43 | 30.98 | 97.02 | 99.56 | -3.30 | 64.27 |
| 0692 Mepartricin B | ATPz | 80.77 | -1.39 | 99.17 | 90.32 | 78.44 | -32.02 | 98.49 | 97.26 | 78.09 | 99.72 | 99.95 | -17.83 | 56.98 |
| 0693 Dimidium bromide | ATPz | -99.99 | -100.00 | 97.09 | 100.00 | -98.29 | -97.72 | 99.84 | 98.84 | 99.13 | 99.69 | 99.87 | 99.07 | 88.76 |
| 0695 Nonesin | ATPz | -47.73 | -11.25 | 73.84 | -7.86 | -15.02 | -61.78 | 68.11 | 29.92 | 32.54 | 84.21 | 81.68 | -40.70 | -42.16 |
| 0701 Parnaquone | ATPz | 94.58 | 96.92 | 88.97 | 90.83 | 86.72 | 97.33 | 94.98 | 96.61 | 97.44 | 85.52 | 89.96 | 94.53 | 96.55 |
| 0704 Secnidazole | ATPz | -79.26 | -70.45 | -70.07 | -67.70 | -69.68 | -82.41 | -89.93 | -76.98 | -69.24 | -90.16 | -95.56 | -75.26 | -79.51 |
| 0705 Acertasone | ATPz | -94.26 | -94.23 | -82.04 | -92.71 | -57.19 | -90.52 | -80.64 | -89.64 | -91.65 | -19.81 | -54.75 | -26.21 | -99.87 |

Anexo 3a. cont.

| Nombre | Act. | ΔP % ^a | ΔP % ^b | ΔP% ^c | ΔP % ^d | ΔP % ^e | ΔP % ^f | ΔP% ^g | ΔP % ^h | ΔP % ⁱ | ΔP % ^j | ΔP % ^k | ΔP % ^l | ΔP % ^m |
|------------------------------|-------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 0706 Acranil | ATPz | 77.62 | 57.66 | 72.97 | 84.85 | 75.12 | 91.67 | 91.52 | 89.92 | 91.53 | 94.75 | 95.82 | 93.63 | 93.73 |
| 0707 Stilbamine | ATPz | 95.80 | 96.33 | 97.23 | 98.46 | 97.91 | 98.88 | 93.05 | 90.61 | 87.16 | 96.26 | 97.92 | 94.91 | 97.64 |
| 0708 Tenonitrozole | ATPz | 20.93 | -33.48 | -70.39 | -29.55 | -42.34 | -41.86 | -60.14 | -78.80 | -82.71 | -81.62 | -87.76 | -74.39 | -18.42 |
| 0709 Tinidazole | ATPz | -100.00 | -100.00 | -14.70 | 100.00 | -100.00 | -100.00 | 70.86 | -25.76 | -25.34 | -5.52 | -71.44 | -56.04 | -100.00 |
| 0712 Bialamicol | ATPz | 98.44 | 98.89 | 98.33 | 99.27 | 98.42 | 99.66 | 96.97 | 99.89 | 99.72 | 99.11 | 99.44 | 99.84 | 99.35 |
| 0715 Clioquinol | ATPz | -40.59 | -17.71 | -31.75 | 39.39 | 11.63 | -12.72 | -45.76 | 43.50 | 51.55 | 41.61 | 42.69 | -23.63 | 33.52 |
| 0717 Fentanilo | Op | 99.79 | 99.82 | 99.85 | 99.80 | 99.86 | 99.81 | 99.65 | 99.94 | 99.80 | 99.84 | 99.77 | 99.74 | 99.63 |
| 0718 Folcodina | Op | 76.27 | 88.03 | 86.84 | 52.81 | 74.30 | 78.70 | 90.31 | 91.20 | 73.96 | 83.40 | 57.21 | 80.08 | 84.45 |
| 0719 Hidrocodona | Op | 95.99 | 98.70 | 98.17 | 98.40 | 96.07 | 97.28 | 98.57 | 99.11 | 99.31 | 97.90 | 96.68 | 99.31 | 97.89 |
| 0720 Levacetilmetadol | Op | 99.51 | 99.53 | 99.75 | 99.75 | 99.61 | 99.43 | 98.65 | 99.76 | 99.51 | 99.90 | 99.79 | 99.78 | 98.34 |
| 0721 Metadona | Op | 99.59 | 99.65 | 99.74 | 99.70 | 99.69 | 99.70 | 99.21 | 99.54 | 99.55 | 99.73 | 99.43 | 99.67 | 99.39 |
| 0722 Narceina | Op | 88.05 | 98.36 | 92.63 | 98.31 | 86.11 | 95.39 | 91.67 | 83.33 | 96.44 | 86.15 | 67.49 | 97.70 | 93.12 |
| 0723 Noscapina | Op | 98.49 | 99.36 | 98.50 | 98.93 | 97.68 | 98.86 | 99.00 | 97.83 | 98.80 | 97.42 | 93.56 | 99.37 | 98.81 |
| 0724 Oxicodona | Op | 90.39 | 96.50 | 94.31 | 93.60 | 89.83 | 93.44 | 96.51 | 97.59 | 97.22 | 95.03 | 93.70 | 97.71 | 95.04 |
| 0725 Morfina | Op | 92.46 | 95.02 | 88.29 | 90.71 | 84.60 | 93.85 | 93.26 | 92.11 | 91.63 | 80.75 | 79.71 | 90.04 | 93.11 |
| 0726 Petidina | Op | 89.75 | 88.31 | 89.97 | 84.04 | 88.71 | 90.78 | 87.34 | 95.04 | 86.45 | 94.93 | 93.66 | 95.18 | 85.93 |
| 0727 Remifentanilo | Op | 93.10 | 88.20 | 95.95 | 90.80 | 94.78 | 92.01 | 96.93 | 92.25 | 82.22 | 98.17 | 98.45 | 92.94 | 92.28 |
| 0728 Tildina | Op | 96.03 | 96.33 | 97.13 | 96.97 | 94.77 | 96.55 | 93.87 | 96.63 | 93.77 | 97.49 | 97.05 | 97.33 | 94.25 |
| 0729 Nalorfina | Op | 97.76 | 98.65 | 96.47 | 96.89 | 96.49 | 98.55 | 98.06 | 98.17 | 98.30 | 93.75 | 92.79 | 96.62 | 98.57 |
| 0730 Naltrexona | Op | 94.91 | 97.63 | 93.83 | 93.69 | 93.44 | 96.85 | 97.76 | 98.77 | 98.25 | 94.79 | 95.56 | 96.22 | 97.84 |
| 0731 Bextrometorfano | Op | 94.51 | 98.33 | 97.25 | 96.98 | 92.39 | 97.42 | 97.32 | 98.46 | 98.89 | 96.73 | 94.50 | 99.35 | 94.21 |
| 0732 Alylprodine | Op | 95.73 | 95.54 | 95.92 | 94.96 | 95.55 | 95.88 | 96.10 | 97.79 | 95.59 | 98.16 | 97.33 | 97.17 | 95.04 |
| 0733 Alfentanilo | Op | 79.65 | 75.28 | 84.68 | 85.22 | 86.36 | 77.47 | 60.11 | 84.92 | 43.24 | 77.18 | 62.62 | 76.05 | 91.66 |
| 0734 Amiphenazole | Op | 31.55 | -6.28 | -36.70 | 6.36 | 1.76 | 21.25 | 19.41 | -31.90 | -57.76 | -2.13 | 4.25 | -23.67 | 2.19 |
| 0735 Anileridine | Op | 99.46 | 99.16 | 99.56 | 99.24 | 99.43 | 99.52 | 99.29 | 99.73 | 98.33 | 99.58 | 99.73 | 99.51 | 99.09 |
| 0736 Benztiramine | Op | 100.00 | 99.99 | 99.99 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 99.99 | 100.00 |
| 0737 Clonitazene | Op | 96.26 | 95.03 | 96.83 | 95.10 | 97.56 | 96.98 | 91.66 | 95.43 | 96.17 | 91.25 | 91.64 | 95.16 | 94.50 |
| 0738 | Op | 94.87 | 95.93 | 93.45 | 96.39 | 96.32 | 95.89 | 95.49 | 94.01 | 95.96 | 92.61 | 84.44 | 97.22 | 97.06 |
| Codeinemethylbromide | | | | | | | | | | | | | | |
| 0739 Cyclazocine | Op | 94.96 | 97.03 | 96.45 | 97.05 | 95.59 | 96.95 | 95.84 | 98.71 | 98.02 | 91.88 | 90.26 | 98.28 | 94.52 |
| 0740 Buprenorfina | Op | 92.52 | 94.58 | 95.79 | 95.00 | 94.91 | 94.30 | 94.89 | 94.38 | 96.66 | 93.34 | 90.30 | 96.65 | 95.84 |

Anexo 3a. cont.

| Nombre | Act. | ΔP % ^a | ΔP % ^b | ΔP% ^c | ΔP % ^d | ΔP % ^e | ΔP % ^f | ΔP% ^g | ΔP % ^h | ΔP % ⁱ | ΔP % ^j | ΔP % ^k | ΔP % ^l | ΔP % ^m |
|---|-------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 0741 Desomorphine | Op | 93.88 | 97.10 | 92.77 | 94.22 | 91.30 | 96.57 | 96.12 | 97.92 | 97.84 | 90.60 | 89.51 | 97.59 | 95.93 |
| 0742 Dextromoramide | Op | 99.82 | 99.76 | 99.62 | 99.42 | 99.78 | 99.87 | 99.83 | 99.97 | 99.74 | 99.89 | 99.89 | 99.92 | 99.82 |
| 0743 Dezocine | Op | 77.53 | 84.07 | 73.99 | 81.69 | 68.95 | 82.23 | 75.07 | 75.69 | 83.90 | 58.36 | 65.30 | 89.39 | 67.93 |
| 0744 Diamppromide | Op | 99.43 | 99.51 | 99.76 | 99.55 | 99.65 | 99.51 | 99.28 | 99.75 | 99.23 | 99.65 | 99.50 | 99.56 | 99.17 |
| 0745 Dimenoxadol | Op | 98.52 | 98.60 | 98.30 | 97.16 | 98.32 | 98.76 | 97.16 | 97.35 | 96.96 | 98.76 | 98.01 | 97.41 | 98.48 |
| Nombre | Act. | ΔP % ^a | ΔP % ^b | ΔP% ^c | ΔP % ^d | ΔP % ^e | ΔP % ^f | ΔP% ^g | ΔP % ^h | ΔP % ⁱ | ΔP % ^j | ΔP % ^k | ΔP % ^l | ΔP % ^m |
| 0746 Dimepheptanol | Op | 98.94 | 99.22 | 99.35 | 99.28 | 99.16 | 99.33 | 96.56 | 98.26 | 98.70 | 98.75 | 97.20 | 99.21 | 97.85 |
| 0747 | Op | 95.91 | 86.40 | 76.53 | 82.06 | 88.23 | 83.49 | 83.99 | 74.01 | 80.69 | 86.69 | 72.82 | 83.35 | 76.77 |
| Dimethylthiambutane | | | | | | | | | | | | | | |
| 0748 Butorfanol | Op | 95.61 | 97.75 | 95.77 | 96.43 | 95.09 | 97.77 | 96.93 | 99.10 | 98.37 | 92.00 | 94.26 | 98.17 | 95.49 |
| 0749 Dipipanone | Op | 99.86 | 99.91 | 99.90 | 99.88 | 99.86 | 99.91 | 99.86 | 99.96 | 99.93 | 99.91 | 99.89 | 99.91 | 99.78 |
| 0750 Etonitazene | Op | 97.02 | 98.41 | 98.52 | 97.35 | 97.82 | 97.71 | 93.60 | 98.28 | 98.49 | 97.15 | 96.73 | 97.94 | 95.24 |
| 0751 Hydroxypethidine | Op | 77.51 | 74.34 | 74.71 | 67.92 | 74.26 | 80.87 | 70.45 | 86.78 | 67.64 | 81.78 | 81.59 | 86.80 | 73.13 |
| 0752 ketobemidone | Op | 81.87 | 86.90 | 86.40 | 84.26 | 81.64 | 86.02 | 84.56 | 88.96 | 85.98 | 81.87 | 76.73 | 90.30 | 81.09 |
| 0753 Levallorphan | Op | 98.04 | 98.87 | 97.80 | 98.26 | 97.76 | 98.87 | 98.05 | 99.39 | 99.17 | 95.69 | 95.73 | 98.91 | 97.82 |
| 0754 | Op | 99.57 | 99.63 | 99.81 | 99.80 | 99.69 | 99.66 | 99.14 | 99.91 | 99.79 | 99.94 | 99.84 | 99.86 | 99.11 |
| Levomethadylacetate | | | | | | | | | | | | | | |
| 0755 Levorphanol | Op | 95.23 | 97.34 | 95.72 | 96.67 | 94.94 | 97.30 | 94.56 | 98.04 | 97.81 | 90.12 | 88.05 | 98.06 | 94.16 |
| 0756 Meptazinol | Op | 70.36 | 78.90 | 72.28 | 73.73 | 67.88 | 79.74 | 61.59 | 79.76 | 77.20 | 52.21 | 41.76 | 85.19 | 68.86 |
| 0758 Tenalidine tartrate | ATHm | 92.67 | 79.02 | 74.69 | 41.16 | 77.46 | 81.62 | 96.99 | 78.33 | 56.55 | 68.82 | 56.91 | 62.96 | 86.14 |
| 0761 Dioxoprometazine hydrochloride | ATHm | -55.44 | -83.60 | 32.73 | -41.87 | 30.64 | -75.33 | 25.96 | 61.58 | 72.62 | 73.50 | 72.25 | 43.09 | -48.04 |
| 0762 Fenyltoloxamine | ATHm | 98.44 | 98.21 | 98.18 | 96.36 | 98.42 | 98.52 | 97.10 | 96.07 | 95.60 | 97.46 | 97.17 | 95.67 | 98.31 |
| 0763 Difenilhidramine hidrocloride | ATHm | 98.64 | 97.99 | 98.03 | 95.11 | 98.50 | 98.62 | 96.75 | 95.28 | 93.72 | 97.44 | 96.35 | 95.58 | 98.33 |
| 0764 Bromazine | ATHm | 47.24 | 30.47 | 26.79 | 21.35 | 58.96 | 40.94 | -49.68 | 70.46 | 40.64 | 55.13 | 47.20 | 59.29 | 63.05 |
| 0765 Antazoline hydrocloride | ATHm | 99.21 | 99.20 | 99.42 | 98.85 | 99.42 | 99.19 | 99.05 | 98.96 | 98.01 | 98.67 | 98.96 | 98.12 | 99.13 |
| 0766 Prometazine hydrocloride | ATHm | 96.27 | 94.69 | 92.93 | 90.58 | 96.20 | 96.18 | 94.59 | 94.16 | 93.39 | 97.16 | 96.16 | 94.20 | 95.75 |
| 0767 Cyclramine maleate | ATHm | 90.43 | 88.68 | 83.62 | 89.81 | 88.82 | 93.00 | 82.22 | 92.04 | 93.26 | 88.94 | 85.58 | 96.59 | 88.03 |

Anexo 3a. cont.

| Nombre | Act. | ΔP % ^a | ΔP % ^b | ΔP% ^c | ΔP % ^d | ΔP % ^e | ΔP % ^f | ΔP% ^g | ΔP % ^h | ΔP % ⁱ | ΔP % ^j | ΔP % ^k | ΔP % ^l | ΔP % ^m |
|--|------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 0768 Clorfenoxamine hydrocloride | ATHm | 97.58 | 96.78 | 97.52 | 97.45 | 98.11 | 97.94 | 95.77 | 96.19 | 96.43 | 97.03 | 96.20 | 96.25 | 97.25 |
| 0769 Moxastine hydrocloride | ATHm | 98.75 | 98.92 | 98.99 | 98.50 | 98.89 | 98.95 | 98.13 | 98.26 | 98.09 | 98.56 | 98.12 | 97.92 | 98.40 |
| 0770 mfenopenhidramine hydrocloride | ATHm | 97.97 | 98.56 | 98.57 | 97.34 | 98.06 | 98.20 | 97.09 | 96.35 | 96.81 | 96.27 | 94.38 | 96.55 | 97.46 |
| 0771 Medrylamine | ATHm | 97.85 | 97.52 | 97.81 | 94.55 | 97.61 | 97.73 | 95.65 | 91.49 | 90.50 | 96.11 | 94.10 | 95.56 | 97.51 |
| 0772 Metildipenhidramine | ATHm | 98.70 | 98.28 | 98.55 | 97.35 | 98.82 | 98.77 | 97.54 | 97.37 | 96.50 | 97.88 | 96.92 | 97.68 | 98.38 |
| 0773 Ciclizine hydrocloride | ATHm | 99.32 | 99.00 | 98.96 | 97.68 | 99.43 | 99.42 | 98.68 | 99.12 | 97.87 | 99.11 | 98.53 | 98.94 | 99.35 |
| 0774 Ametobenzepine | ATHm | 99.45 | 99.41 | 99.30 | 99.17 | 99.41 | 99.60 | 99.09 | 99.12 | 99.14 | 99.11 | 99.03 | 98.95 | 99.35 |
| 0775 Closiramine aceturate | ATHm | 85.17 | 85.67 | 86.39 | 84.42 | 79.15 | 89.31 | 85.41 | 93.73 | 97.43 | 92.94 | 91.06 | 96.53 | 87.47 |
| 0776 Benzylfenilamino | ATHm | 95.84 | 93.83 | 94.55 | 90.78 | 97.00 | 95.88 | 92.45 | 90.73 | 85.29 | 91.70 | 92.09 | 88.55 | 96.20 |
| 0777 Tolpropamine hydrocloride | ATHm | 99.30 | 99.19 | 99.42 | 99.20 | 99.44 | 99.46 | 98.08 | 98.20 | 98.89 | 98.72 | 97.87 | 98.76 | 98.90 |
| 0778 Histamithizine | ATHm | 99.98 | 99.96 | 99.98 | 99.97 | 99.99 | 99.98 | 99.96 | 99.98 | 99.96 | 99.96 | 99.94 | 99.96 | 99.98 |
| 0779 Homoclorciclicine | ATHm | 98.73 | 97.02 | 97.75 | 96.02 | 99.04 | 98.89 | 97.05 | 98.04 | 96.14 | 98.19 | 97.23 | 98.03 | 98.90 |
| 0780 Bamipine | ATHm | 99.38 | 99.30 | 99.35 | 98.53 | 99.46 | 99.45 | 98.99 | 99.19 | 98.54 | 98.87 | 98.69 | 98.76 | 99.36 |
| 0781 Pimetixene | ATHm | 99.51 | 99.09 | 97.68 | 99.21 | 98.77 | 99.54 | 99.70 | 99.34 | 99.72 | 99.65 | 99.63 | 99.59 | 99.15 |
| 0782 Tripolidine hydrocloride | ATHm | 99.25 | 99.37 | 99.34 | 98.73 | 99.32 | 99.40 | 99.24 | 99.56 | 99.29 | 98.84 | 98.85 | 99.21 | 99.21 |
| 0783 Etiloxamine hydrocloride | ATHm | 98.90 | 99.34 | 99.48 | 98.73 | 98.88 | 99.17 | 98.56 | 99.50 | 98.85 | 98.83 | 98.88 | 98.75 | 98.40 |
| 0784 Trastomin | ATHm | -66.74 | -45.20 | -34.47 | -63.17 | -63.94 | -53.03 | -48.24 | -8.28 | -36.59 | -24.11 | -60.09 | -28.76 | -65.55 |
| 0788 Nigrifactin | ATHm | 84.83 | 91.98 | 92.19 | 89.06 | 83.73 | 88.23 | 87.61 | 94.52 | 91.43 | 81.42 | 81.51 | 91.18 | 79.10 |
| 0789 Perastine hydrocloride | ATHm | 99.53 | 99.51 | 99.35 | 98.08 | 99.34 | 99.59 | 99.34 | 99.43 | 98.96 | 99.16 | 98.83 | 98.99 | 99.39 |
| 0790 Histapipendine hydrocloride | ATHm | 99.39 | 99.45 | 99.32 | 98.34 | 99.42 | 99.52 | 99.25 | 99.52 | 98.92 | 98.89 | 98.72 | 99.01 | 99.37 |
| 0791 Azatidine maleate | ATHm | 99.49 | 99.19 | 98.90 | 99.44 | 99.51 | 99.79 | 99.69 | 99.70 | 99.84 | 99.72 | 99.58 | 99.78 | 99.78 |

Anexo 3a. cont.

| Nombre | Act. | ΔP % ^a | ΔP % ^b | ΔP% ^c | ΔP % ^d | ΔP % ^e | ΔP % ^f | ΔP% ^g | ΔP % ^h | ΔP % ⁱ | ΔP % ^j | ΔP % ^k | ΔP % ^l | ΔP % ^m |
|---------------------------------------|-------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 0792 Tironamine | ATHm | 91.67 | 92.07 | 92.23 | 86.61 | 88.73 | 86.99 | 85.07 | 53.21 | 78.28 | 80.58 | 83.95 | 74.07 | 88.30 |
| 0793 Trazitiline | ATHm | 98.55 | 99.24 | 98.61 | 98.64 | 98.70 | 99.26 | 98.85 | 99.80 | 99.45 | 98.83 | 98.71 | 99.68 | 98.59 |
| 0794 Octastine | ATHm | 99.23 | 99.33 | 99.27 | 98.99 | 99.20 | 99.48 | 99.20 | 99.58 | 99.48 | 99.16 | 98.82 | 99.19 | 99.06 |
| 0795 Clocinizine | ATHm | 99.99 | 99.99 | 99.99 | 99.98 | 99.99 | 99.99 | 99.98 | 99.98 | 99.97 | 99.98 | 99.97 | 99.96 | 99.99 |
| 0796 Quifenadine hydrochloride | ATHm | 99.76 | 99.76 | 99.65 | 99.39 | 99.66 | 99.84 | 99.57 | 99.74 | 99.45 | 99.28 | 99.31 | 99.48 | 99.68 |
| 0800 Oxiniacic acid | ATLp | -22.92 | -48.57 | -25.56 | -71.90 | 35.59 | -60.36 | -3.40 | -13.74 | -3.92 | -16.52 | -22.20 | -27.93 | -49.15 |
| 0802 Nicomethanol | ATLp | 22.60 | 38.73 | 22.35 | -5.58 | 2.37 | 20.46 | 13.55 | 3.43 | 24.12 | -20.35 | -33.59 | 13.02 | 7.05 |
| 0806 Acide tizoprolique | ATLp | 0.25 | 8.90 | -42.56 | 4.67 | -14.40 | -9.10 | 11.22 | -11.39 | 35.42 | -34.15 | -35.91 | 9.36 | -36.82 |
| 0809 Acide clofibrique | ATLp | 12.74 | 13.97 | 34.70 | 12.95 | 27.97 | 15.29 | 34.46 | 18.96 | 48.38 | 72.06 | 71.38 | 33.63 | 25.87 |
| 0810 Natrii fenbutyras | ATLp | 76.17 | 85.52 | 85.36 | 81.82 | 76.52 | 84.01 | 72.23 | 90.35 | 84.20 | 81.61 | 83.93 | 87.76 | 56.98 |
| 0811 Fenbutyramidum | ATLp | 50.41 | 68.62 | 72.58 | 68.91 | 59.30 | 65.34 | 53.79 | 68.00 | 59.54 | 73.37 | 76.33 | 76.30 | 39.67 |
| 0812 Dipiridincarboxan | ATLp | 96.20 | 93.83 | 94.70 | 88.98 | 93.48 | 94.28 | 94.53 | 90.86 | 93.60 | 92.71 | 91.55 | 80.40 | 95.97 |
| 0813 Clofibrate | ATLp | 42.63 | 37.29 | 65.59 | 41.46 | 45.33 | 36.11 | 57.72 | 71.56 | 57.53 | 86.62 | 88.93 | 55.89 | 50.84 |
| 0814 Penferon | ATLp | 35.84 | 48.98 | 62.12 | 61.25 | 43.60 | 50.02 | 42.79 | 78.93 | 76.05 | 81.79 | 74.65 | 78.70 | 10.92 |
| 0816 Ciprofibrate | ATLp | 60.83 | 42.75 | 40.55 | 71.77 | 78.39 | 48.22 | 79.87 | 43.99 | 66.69 | 91.38 | 91.18 | 57.26 | 63.53 |
| 0818 Xantifibrate | ATLp | -85.44 | -95.55 | -96.31 | -79.42 | -95.68 | -86.87 | -83.60 | -97.02 | -94.90 | -96.67 | -93.51 | -91.91 | -82.41 |
| 0819 Refortan | ATLp | 90.56 | 88.21 | 93.53 | 86.30 | 92.80 | 90.83 | 85.63 | 88.29 | 90.53 | 90.72 | 88.64 | 82.92 | 92.05 |
| 0820 Timofibrate | ATLp | 53.68 | 23.70 | 55.93 | 23.29 | 52.10 | 35.81 | 60.70 | 42.84 | 20.08 | 68.33 | 73.44 | 0.65 | 70.15 |
| 0824 Acetiromate | ATLp | -81.64 | -29.44 | -44.74 | 89.91 | 88.18 | -80.09 | -99.59 | 84.01 | 76.41 | 97.25 | 95.84 | -83.11 | 48.37 |
| 0826 Acidum fenofibricum | ATLp | 94.15 | 95.40 | 96.75 | 91.51 | 95.10 | 93.93 | 96.01 | 92.51 | 95.26 | 98.10 | 97.84 | 89.52 | 95.22 |
| 0827 Treloxinate | ATLp | 96.74 | 94.67 | 97.03 | 94.89 | 96.60 | 96.66 | 95.98 | 96.52 | 95.03 | 98.14 | 97.17 | 95.35 | 97.53 |
| 0828 Dulofibrate | ATLp | 96.06 | 91.81 | 96.64 | 94.03 | 97.07 | 94.20 | 95.06 | 93.28 | 94.33 | 98.09 | 97.60 | 89.49 | 97.13 |
| 0829 Clofenapic acid | ATLp | 96.22 | 94.70 | 97.24 | 96.25 | 97.34 | 97.01 | 97.78 | 95.22 | 97.95 | 99.37 | 99.45 | 95.83 | 97.26 |
| 0830 Nicoclionate | ATLp | 97.95 | 95.62 | 97.03 | 95.15 | 97.99 | 97.24 | 92.24 | 92.50 | 95.04 | 94.08 | 92.84 | 92.28 | 97.28 |
| 0831 Nicofibrate hydrochloride | ATLp | 95.81 | 93.41 | 97.00 | 92.10 | 96.56 | 93.50 | 96.18 | 94.12 | 93.75 | 97.78 | 97.82 | 90.70 | 97.40 |
| 0832 Pirinixil | ATLp | 44.37 | 65.42 | 66.29 | 67.11 | 43.17 | 51.41 | 63.82 | 59.11 | 38.57 | 54.09 | 72.55 | 39.48 | 54.42 |
| 0833 Serfibrate | ATLp | 28.06 | -23.18 | 32.48 | 26.78 | 48.56 | -18.83 | 63.80 | 62.42 | 22.48 | 81.19 | 86.95 | -24.75 | 24.90 |
| 0834 Clofibride | ATLp | 46.60 | 6.03 | 55.26 | 28.48 | 56.01 | 33.49 | 73.73 | 27.07 | 25.95 | 82.12 | 93.47 | 33.59 | 69.82 |
| 0836 Itanoxzone | ATLp | 99.49 | 98.81 | 99.03 | 99.40 | 99.53 | 99.60 | 99.27 | 98.82 | 99.36 | 99.48 | 99.69 | 98.22 | 99.47 |

Anexo 3a. cont.

| Nombre | Act. | ΔP % ^a | ΔP % ^b | ΔP% ^c | ΔP % ^d | ΔP % ^e | ΔP % ^f | ΔP% ^g | ΔP % ^h | ΔP % ⁱ | ΔP % ^j | ΔP % ^k | ΔP % ^l | ΔP % ^m |
|--|-------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 0837 Ciproximide | ATPs | 90.51 | 84.40 | 84.63 | 86.94 | 88.80 | 92.12 | 81.66 | 77.78 | 82.05 | 84.00 | 87.99 | 76.91 | 89.09 |
| 0838 Nonaferone | ATPs | 92.83 | 93.90 | 89.63 | 75.19 | 90.42 | 93.10 | 94.14 | 92.79 | 91.35 | 90.08 | 84.34 | 89.41 | 93.79 |
| 0839 Fluperlapine | ATPs | 99.66 | 99.59 | 99.82 | 99.62 | 99.86 | 99.62 | 99.74 | 99.78 | 99.77 | 99.15 | 98.89 | 99.53 | 99.58 |
| 0840 Clorotepine | ATPs | 98.88 | 96.86 | 96.28 | 96.02 | 98.64 | 98.56 | 97.65 | 98.39 | 97.71 | 98.23 | 97.82 | 97.92 | 98.12 |
| 0841 Metiapine | ATPs | 98.34 | 97.09 | 95.76 | 93.86 | 97.96 | 98.36 | 98.24 | 98.45 | 96.98 | 98.22 | 97.58 | 98.50 | 98.12 |
| 0842 Azaperone | ATPs | 98.28 | 98.84 | 98.40 | 94.93 | 98.56 | 98.23 | 98.57 | 98.87 | 97.61 | 97.15 | 96.93 | 97.44 | 98.96 |
| 0843 Pecajine | ATPs | 98.36 | 97.29 | 93.91 | 92.75 | 97.57 | 98.30 | 98.53 | 97.53 | 97.28 | 97.99 | 98.32 | 96.54 | 98.49 |
| 0844 Dicarbine | ATPs | 80.34 | 72.42 | 63.75 | 55.11 | 71.78 | 83.04 | 71.88 | 64.90 | 59.41 | 73.40 | 63.97 | 77.25 | 82.10 |
| 0845 Cintramide | ATPs | 3.35 | 57.12 | 60.60 | 54.52 | -3.31 | 22.88 | 45.70 | 5.57 | 5.95 | 45.77 | 37.11 | 77.55 | 15.61 |
| 0847 Roxoperone | ATPs | 96.82 | 93.52 | 95.93 | 91.94 | 96.92 | 95.42 | 97.29 | 93.32 | 91.50 | 91.58 | 94.16 | 91.89 | 97.39 |
| 0849 Tetrabenazine mecilate | ATPs | 88.33 | 94.84 | 94.42 | 94.34 | 87.52 | 89.85 | 91.77 | 94.22 | 94.21 | 85.50 | 86.09 | 96.73 | 89.75 |
| 0850 Cianothepin | ATPs | 99.35 | 97.94 | 97.47 | 97.98 | 98.60 | 99.38 | 99.39 | 99.06 | 99.16 | 99.36 | 99.32 | 98.58 | 98.83 |
| 0851 Metoxepin | ATPs | 98.71 | 98.95 | 98.71 | 97.30 | 98.80 | 98.85 | 98.68 | 98.20 | 97.84 | 98.37 | 97.88 | 98.50 | 99.30 |
| 0852 Docloxytepin succinate | ATPs | 98.79 | 95.67 | 95.23 | 96.82 | 97.24 | 99.00 | 99.04 | 98.92 | 98.91 | 98.77 | 98.81 | 98.46 | 97.50 |
| 0853 Flucindale | ATPs | 67.33 | 74.89 | 60.39 | 44.19 | 44.45 | 82.42 | 60.37 | 38.64 | 60.87 | 21.91 | 0.77 | 73.48 | 79.42 |
| 0854 Butropipazone | ATPs | 99.42 | 99.63 | 99.54 | 98.57 | 99.48 | 99.46 | 99.37 | 99.65 | 99.26 | 99.08 | 98.92 | 99.19 | 99.42 |
| 0856 Rolipram | ATPs | 84.04 | 90.90 | 85.59 | 78.31 | 79.37 | 83.37 | 86.85 | 92.75 | 87.33 | 89.19 | 91.89 | 92.71 | 81.49 |
| 0858 Azabuperone | ATPs | 88.11 | 90.90 | 87.31 | 66.85 | 87.95 | 89.28 | 92.53 | 92.73 | 88.67 | 86.40 | 80.91 | 85.51 | 92.14 |
| 0860 Flumezapine | ATPs | 68.87 | 49.75 | -12.27 | 30.96 | 59.91 | 55.49 | 69.51 | 55.53 | 15.58 | 54.75 | 45.85 | 58.42 | 77.94 |
| 0861 LM 08050 | ATPs | 57.31 | 16.48 | 51.79 | 20.50 | 57.95 | 41.26 | 72.87 | -3.88 | -28.11 | 51.44 | 58.90 | 28.44 | 60.95 |
| 0862 Flutizental | ATPs | 69.36 | 59.58 | 11.48 | -0.07 | 58.74 | 49.74 | 68.10 | 63.56 | 38.46 | 27.64 | 16.34 | 50.86 | 8.51 |
| 0863 SCH 23390 | ATPs | 97.87 | 97.61 | 97.46 | 97.76 | 97.73 | 98.80 | 96.87 | 96.88 | 97.32 | 94.38 | 92.55 | 97.45 | 97.91 |
| 0864 Timelatem maleate | ATPs | 98.13 | 97.56 | 95.25 | 89.56 | 97.09 | 96.68 | 97.97 | 94.65 | 93.88 | 92.84 | 86.56 | 93.94 | 96.85 |
| 0865 Etacepride | ATPs | 53.47 | 61.03 | 62.09 | 64.68 | 46.45 | 46.72 | 61.49 | 48.84 | 58.90 | 77.04 | 68.44 | 66.16 | 43.65 |
| 0866 Eticlopride | ATPs | -14.50 | 43.54 | 5.30 | 36.27 | -42.51 | 33.82 | 22.08 | 33.24 | 41.13 | -34.46 | -31.10 | 65.62 | 3.66 |
| 0867 Clocapramine | ATPs | 4.52 | 31.86 | 18.57 | 17.84 | 33.95 | 49.93 | 83.44 | 78.74 | 60.72 | 62.08 | 58.51 | 44.48 | 65.11 |
| 0869 Meperidide | ATPs | 99.90 | 99.91 | 99.92 | 99.84 | 99.90 | 99.91 | 99.96 | 99.98 | 99.93 | 99.91 | 99.95 | 99.96 | 99.90 |
| 0870 Diopirone fumarate | ATPs | 99.63 | 99.65 | 99.36 | 98.60 | 99.59 | 99.71 | 99.69 | 99.67 | 99.70 | 99.51 | 99.72 | 99.63 | 98.25 |
| 0871 Flurtaline | ATPs | 99.83 | 99.93 | 99.92 | 99.55 | 99.82 | 99.86 | 99.81 | 99.88 | 99.78 | 99.21 | 98.93 | 99.79 | 99.73 |

Anexo 3a. cont.

| Nombre | Act. | ΔP % ^a | ΔP % ^b | ΔP% ^c | ΔP % ^d | ΔP % ^e | ΔP % ^f | ΔP% ^g | ΔP % ^h | ΔP % ⁱ | ΔP % ^j | ΔP % ^k | ΔP % ^l | ΔP % ^m |
|---|------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 0872 Alpentine | ATPs | 98.70 | 99.30 | 99.41 | 98.49 | 98.22 | 99.01 | 99.04 | 99.76 | 97.73 | 99.39 | 99.57 | 99.67 | 98.89 |
| 0873 Fluspirilone | ATPs | 99.78 | 99.82 | 99.83 | 99.17 | 99.66 | 99.79 | 99.81 | 99.76 | 99.12 | 99.49 | 99.65 | 99.67 | 99.62 |
| 0874 Valerylperazine | ATPs | 98.25 | 97.97 | 94.78 | 94.77 | 98.20 | 98.64 | 98.53 | 99.27 | 98.41 | 98.93 | 99.18 | 98.52 | 98.80 |
| 0875 Haloperide | ATPs | 97.79 | 96.66 | 96.60 | 94.12 | 97.65 | 98.11 | 98.76 | 99.51 | 98.19 | 97.90 | 98.97 | 98.96 | 97.97 |
| 0876 Oxaflumazine disuccinate | ATPs | 89.05 | 84.48 | 75.10 | 23.24 | 90.39 | 89.78 | 97.49 | 99.01 | 85.81 | 97.85 | 99.27 | 97.02 | 77.29 |
| 0888 Clorometil -5-nitro- 2-furilketone | ATF | -44.29 | -2.01 | -9.33 | -49.73 | -51.75 | -37.02 | -65.72 | -50.25 | -40.45 | -73.45 | -87.63 | -50.78 | -14.49 |
| 0890 2 nitro-5-(2 nitrovinil)furan | ATF | -8.42 | 18.88 | -0.52 | -48.68 | -32.84 | -34.90 | -61.61 | -63.28 | -56.36 | -79.40 | -87.06 | -27.32 | -6.01 |
| 0893 Cloro(2 hidroxifenil)mercuri | ATF | 19.17 | 19.13 | 22.43 | -3.89 | -15.71 | 27.11 | -22.39 | -29.11 | -27.72 | -30.42 | -52.78 | 44.97 | -29.11 |
| 0894 4- nitrofenol | ATF | 17.04 | 25.76 | 17.20 | -25.47 | -13.50 | 8.10 | -24.16 | -42.37 | -29.32 | -54.58 | -64.73 | -12.92 | 1.53 |
| 0898 4-bromofenil isotiocianato | ATF | 84.65 | 24.50 | 18.13 | 47.57 | 49.11 | 16.13 | -7.14 | 7.94 | 11.34 | 34.02 | 27.12 | -36.05 | 51.36 |
| 0902 6 cloro-1,2- benzisotiazolidin-3-one | ATF | 50.87 | 37.61 | -15.81 | 21.71 | 12.88 | 26.52 | 21.63 | -4.82 | 10.84 | 14.28 | 4.30 | 13.21 | 30.45 |
| 0903 6-hidroxi-2- oxobenzoxatiale | ATF | 72.85 | 42.22 | 4.79 | 19.31 | 36.75 | 35.33 | 25.77 | 13.34 | -0.91 | 1.46 | 0.44 | -13.63 | 32.18 |
| 0906 4 clorobenzoico acid | ATF | 47.06 | 37.25 | 34.90 | 34.40 | 44.87 | 57.72 | 17.65 | 25.72 | 47.80 | 27.24 | 24.84 | 29.46 | 31.51 |
| 0907 2 mercapto benzotiazole | ATF | 83.28 | 16.82 | -27.47 | 32.56 | 37.71 | -17.24 | 50.29 | -15.46 | -66.22 | 23.74 | 16.93 | -38.64 | 28.68 |
| 0908 1-hidroxi-4,6-dimetil pirididone | ATF | 7.99 | 12.68 | 18.48 | 43.77 | 15.13 | 2.00 | -14.57 | -2.20 | 7.34 | -57.63 | -59.26 | -0.31 | -21.83 |
| 0909 5(3 cloropropyl)4- metiltiazole | ATF | 3.28 | -26.06 | -21.22 | -16.15 | -34.85 | -20.73 | 29.01 | -7.33 | 18.61 | -39.95 | -52.17 | -8.51 | -33.35 |
| 0910 N(2,2,2 tricloro-1- (4morfolinyl) etil)formamide | ATF | -94.74 | -96.50 | -98.60 | -96.61 | -91.77 | -95.94 | -79.15 | -96.01 | -97.75 | -92.04 | -93.13 | -96.47 | -85.11 |
| 0911 5(3 Iodopropargyloxy-2- metilio)pirimidine | ATF | 4.07 | 37.29 | 23.70 | 6.77 | -60.68 | -8.35 | 42.95 | -8.35 | -16.12 | -42.25 | -45.54 | -16.54 | 20.62 |
| 0912 3 acetil-6-metil-2H- pyran-2,4(3H)dione | ATF | 50.31 | 43.83 | 52.22 | 51.00 | 21.95 | 26.11 | 4.51 | 51.22 | 56.37 | -20.15 | -6.62 | 10.57 | 17.42 |

Anexo 3a. cont.

| Nombre | Act. | ΔP % ^a | ΔP % ^b | ΔP% ^c | ΔP % ^d | ΔP % ^e | ΔP % ^f | ΔP% ^g | ΔP % ^h | ΔP % ⁱ | ΔP % ^j | ΔP % ^k | ΔP % ^l | ΔP % ^m |
|---|-------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 0913 2(4 clorofenoxy)etanol | ATF | 10.66 | 12.44 | 11.74 | -10.87 | -9.25 | 4.60 | -12.78 | -36.01 | 22.14 | 20.69 | 4.77 | 12.45 | -13.75 |
| 0914 Fosforotioic acid | ATF | -32.84 | -30.19 | -42.41 | -68.25 | -11.75 | -30.60 | 90.96 | -87.58 | -93.24 | -43.20 | -78.80 | -49.97 | -29.28 |
| 0916 5-fenil-3- (triclorometil)tio 1,3,4- oxadioxol 2 (3H)one | ATF | 68.41 | 25.24 | -58.56 | 72.52 | 71.30 | 2.04 | 92.60 | -39.00 | -80.49 | 3.04 | -27.47 | -61.21 | 71.02 |
| 0917 Tricloroetene | AINES | -94.13 | -96.98 | -91.43 | -91.02 | -87.54 | -83.38 | -85.65 | -86.45 | -85.09 | -91.71 | -94.40 | -74.82 | -76.64 |
| 0918 Dimetilsulfoxide | AINES | -54.66 | -66.92 | -46.04 | -82.98 | -85.95 | -76.33 | -30.94 | -80.78 | -46.65 | -74.99 | -86.30 | -93.80 | -77.45 |
| 0919 Trimetilsulfonium hidroxide | AINES | -72.02 | -86.71 | -82.77 | -94.86 | -90.64 | -84.28 | -53.57 | -96.94 | -88.68 | -96.09 | -95.69 | -97.18 | -83.70 |
| 0920 1- Pirazolecarboxamidine | AINES | -88.56 | -88.43 | -87.08 | -86.58 | -80.90 | -84.18 | -87.19 | -91.55 | -91.26 | -87.87 | -85.65 | -86.23 | -75.69 |
| 0921 3-amino-4- hidroxibutanoico acid | AINES | -97.55 | -98.79 | -98.19 | -98.40 | -97.01 | -98.34 | -97.83 | -97.87 | -97.62 | -98.33 | -96.54 | -98.64 | -98.69 |
| 0922 Carbamimidotioic acid | AINES | -97.73 | -99.69 | -98.72 | -94.45 | -93.23 | -99.33 | -96.87 | -98.81 | -99.75 | -97.34 | -96.03 | -98.17 | -98.11 |
| 0923 4(2 aminoetil)imidazole | AINES | -78.54 | -82.97 | -86.66 | -88.36 | -85.40 | -85.79 | -82.41 | -91.15 | -89.50 | -87.87 | -84.15 | -81.68 | -81.42 |
| 0924 Pirocatecol-3,5 disulfonic acid | AINES | -99.80 | -99.25 | -99.62 | -99.80 | -99.77 | -99.51 | -99.75 | -97.51 | -98.28 | -99.08 | -98.93 | -98.91 | -99.71 |
| 0925 1H(piridotiazin-one) | AINES | 12.20 | 22.05 | 5.26 | -19.26 | -2.65 | 17.48 | 21.18 | 16.91 | -14.18 | 19.36 | 7.24 | -18.43 | 23.19 |
| 0926 tiosalicilic acid | AINES | 14.73 | 27.66 | 13.19 | 24.61 | 26.77 | 22.01 | -56.95 | -11.65 | -38.12 | 14.42 | 25.85 | -54.67 | 5.62 |
| 0927 5-sulfonalicylic acid | AINES | -83.63 | -72.54 | -86.36 | -88.88 | -82.48 | -72.89 | -92.72 | -69.88 | -61.68 | -80.64 | -76.48 | -81.65 | -86.09 |
| 0928 2 hidroxibenzamine | AINES | 1.25 | 22.63 | -7.83 | -1.35 | -9.38 | 26.80 | -6.97 | -17.00 | -14.37 | -7.14 | -0.21 | -13.23 | 5.20 |
| 0929 2 metoxynitrofenol | AINES | -12.47 | 18.63 | 8.73 | -34.20 | -46.90 | -17.31 | -39.11 | -56.68 | -48.65 | -71.38 | -78.86 | -10.16 | -25.80 |
| 0930 5-amino-1-fenil-1H tetrazole | AINES | -7.47 | 7.80 | -11.84 | -17.77 | -27.32 | -6.20 | -36.29 | -61.13 | -48.72 | -48.31 | -58.80 | -21.56 | 14.29 |
| 0931 Salicilic acid dihidrogen fosfate | AINES | -62.08 | 17.26 | -28.34 | -66.87 | -37.39 | 44.04 | -55.84 | -69.78 | 18.27 | -14.47 | -33.62 | 2.12 | -57.28 |
| 0932 2 propyl-5-tiazole carboxylic acid | AINES | -34.65 | -39.50 | -72.09 | -36.03 | -54.84 | -47.54 | -36.30 | -33.12 | -17.53 | -72.58 | -64.90 | -35.89 | -55.53 |
| 0933 1-fenilsemicarbazide | AINES | -60.67 | -66.27 | -54.60 | -58.67 | -54.72 | -55.71 | -59.95 | -92.20 | -79.22 | -30.66 | -19.63 | -38.26 | -52.20 |

Anexo 3a. cont.

| Nombre | Act. | ΔP % ^a | ΔP % ^b | ΔP% ^c | ΔP % ^d | ΔP % ^e | ΔP % ^f | ΔP% ^g | ΔP % ^h | ΔP % ⁱ | ΔP % ^j | ΔP % ^k | ΔP % ^l | ΔP % ^m |
|--|-------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 0934 N,N,2-trimetil-1,3-dioxalan-4-ylmetilamine | AINES | -85.11 | -87.51 | -88.73 | -94.53 | -86.44 | -85.27 | -78.23 | -92.32 | -84.73 | -71.53 | -83.27 | -92.73 | -78.52 |
| 0935 2,2,2 tricloro-4-hidroxyacetanilide | AINES | -57.36 | -48.53 | -63.22 | -17.41 | -20.85 | -38.91 | -10.45 | -55.08 | -83.59 | -47.00 | -50.25 | -72.83 | -1.94 |
| 0936 Acetanilide | AINES | 60.71 | 57.61 | 66.04 | 59.75 | 66.68 | 64.10 | 49.93 | 74.18 | 54.75 | 82.59 | 72.36 | 59.00 | 47.90 |
| 0937 3-hidroxyacetanilide | AINES | 28.82 | 23.36 | 30.13 | 30.17 | 35.74 | 35.80 | 9.77 | 46.89 | 13.98 | 51.46 | 36.91 | 18.18 | 13.55 |
| 0938 4-hidroxyacetanilide | AINES | 28.72 | 23.59 | 32.68 | 29.24 | 35.92 | 35.54 | 9.81 | 45.69 | 14.77 | 51.87 | 38.91 | 17.90 | 13.71 |
| 0939 N-fenil acetidrazine | AINES | 21.51 | 0.88 | 26.13 | 5.20 | 13.90 | 11.85 | 8.49 | 7.63 | -27.26 | 50.92 | 39.07 | 17.94 | 9.07 |
| 0940 O-acetyl-5-bromosalicylic acid | AINES | 29.23 | 23.35 | 15.27 | 59.31 | 59.30 | 24.86 | -55.67 | 73.98 | 68.05 | 76.79 | 62.83 | 22.89 | 24.79 |
| 0941 O-acetyl-3-iodosalicylic acid | AINES | -27.49 | 5.73 | -18.84 | 56.75 | 50.14 | -17.13 | -79.97 | 74.84 | 63.16 | 79.84 | 67.50 | -7.70 | 2.78 |
| 0942 8-hidroxy-7-quinoline sulfonic acid | AINES | -58.82 | -32.41 | -54.85 | -71.33 | -66.15 | -24.68 | -37.10 | -19.33 | 1.06 | -20.52 | -17.49 | -39.55 | -38.09 |
| 0943 O-acetilsalicylamide | AINES | 46.11 | 56.76 | 41.53 | 57.20 | 55.87 | 54.46 | 36.14 | 72.38 | 57.63 | 86.28 | 78.54 | 54.45 | 42.39 |
| 0944 O-Carbamoylpenoxi acetic acid | AINES | -9.04 | 26.85 | 0.87 | 7.51 | 8.11 | 18.86 | -0.95 | 25.17 | 24.42 | 54.95 | 44.82 | 26.25 | 6.47 |
| 0945 N-metil acetanilide | AINES | 77.83 | 79.30 | 86.09 | 81.63 | 81.18 | 77.65 | 79.49 | 89.76 | 81.08 | 88.37 | 83.97 | 85.66 | 67.82 |
| 0946 2-etoxybenzamide | AINES | 19.91 | 55.02 | 33.15 | 38.44 | 14.76 | 40.27 | 18.67 | 31.98 | 42.79 | 58.86 | 48.86 | 42.99 | 21.87 |
| 0947 p-methoxyacetanilide | AINES | 45.90 | 51.65 | 65.86 | 56.47 | 52.99 | 48.07 | 35.53 | 57.68 | 38.77 | 73.40 | 59.51 | 58.17 | 31.07 |
| 0948 4-hidroxipropionalilide | AINES | 30.20 | 30.33 | 37.55 | 22.14 | 23.18 | 39.90 | 28.58 | 36.19 | 7.23 | 42.93 | 41.74 | 24.95 | 18.54 |
| 0949 Etil-p-amino benzoate | AINES | 42.13 | 13.75 | 31.02 | 8.33 | 21.84 | 39.38 | 18.74 | 39.87 | -7.83 | 53.09 | 62.69 | 33.88 | 23.89 |
| 0950 p-Etoxyanilinometane sulfonic acid | AINES | -45.48 | 5.00 | -13.05 | -36.00 | -30.81 | -28.54 | -59.95 | -46.46 | -37.87 | -7.22 | -49.71 | -71.30 | -43.16 |
| 0951 4,5,6,7-tetrahidro-2-metil-3-(metilamino)-2H-indazole | AINES | -28.52 | 31.63 | -1.90 | 27.54 | -52.60 | -18.14 | 33.10 | 20.09 | 4.24 | -19.92 | -0.65 | 46.51 | -22.30 |
| 0952 2-isopropil-4-pentenoyl urea | AINES | -89.46 | -85.92 | -83.75 | -74.19 | -79.49 | -81.19 | -90.34 | -91.23 | -82.57 | -92.81 | -86.25 | -86.20 | -84.94 |

Anexo 3a. cont.

| Nombre | Act. | ΔP % ^a | ΔP % ^b | ΔP% ^c | ΔP % ^d | ΔP % ^e | ΔP % ^f | ΔP% ^g | ΔP % ^h | ΔP % ⁱ | ΔP % ^j | ΔP % ^k | ΔP % ^l | ΔP % ^m |
|--|------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 0953 Triazino(5,6)quinoline | AINES | 75.23 | 79.96 | 67.35 | 49.79 | 60.07 | 83.61 | 87.94 | 71.42 | 85.10 | 79.31 | 71.27 | 75.10 | 81.35 |
| 0954 7 Cloro-3,3 dihydro-2H,9H isoxazolo benzoxazin | AINES | 66.09 | 57.68 | 40.63 | 31.92 | 42.35 | 60.35 | 49.32 | 69.32 | 62.55 | 56.63 | 47.77 | 59.04 | 68.97 |
| 0955 2,3 dihydro-9H- isoxazolo(3,2b)quinazolin-9-one | AINES | 85.67 | 85.80 | 73.29 | 75.88 | 74.34 | 85.46 | 85.09 | 86.88 | 87.49 | 80.39 | 74.63 | 80.99 | 82.25 |
| 0956 6,7dihydroxi-4-metil coumarin bis(hidrogen sulfate) | AINES | -97.36 | -44.96 | -90.61 | 5.49 | -95.83 | -20.21 | -98.50 | -78.14 | -69.66 | -68.94 | -88.26 | -80.75 | -84.94 |
| 0917 Tricloroetene | AINES | -94.13 | -96.98 | -91.43 | -91.02 | -87.54 | -83.38 | -85.65 | -86.45 | -85.09 | -91.71 | -94.40 | -74.82 | -76.64 |
| 0918 Dimetilsulfoxide | AINES | -54.66 | -66.92 | -46.04 | -82.98 | -85.95 | -76.33 | -30.94 | -80.78 | -46.65 | -74.99 | -86.30 | -93.80 | -77.45 |
| 0959 Carbetimer | ATC | 28.31 | -12.21 | -5.72 | -31.16 | 14.59 | 10.14 | -16.08 | 6.16 | -3.38 | -19.32 | -19.83 | -22.04 | 4.04 |
| 0960 Fluoxyplin | ATC | -69.36 | -40.90 | -53.97 | -84.21 | -80.91 | -64.60 | -60.68 | -57.42 | -64.13 | -89.42 | -90.55 | -66.73 | -58.33 |
| 0962 BA 1 | ATC | -75.81 | -78.03 | -82.85 | -79.19 | -71.20 | -68.66 | -72.43 | -79.09 | -62.15 | -65.75 | -59.81 | -54.54 | -74.63 |
| 0968 Etretin | ATC | 99.26 | 99.84 | 99.92 | 99.99 | 99.73 | 99.73 | 99.66 | 99.93 | 99.95 | 99.33 | 99.43 | 99.93 | 98.38 |
| 0975 Chloromethylsilatrane | ATC | -75.46 | -78.82 | -76.68 | -80.63 | -24.68 | -48.51 | 14.41 | -78.77 | -95.28 | -96.68 | -94.91 | -77.22 | -87.73 |
| 0978 Imifos | ATC | -43.35 | -61.55 | -78.85 | -67.58 | -8.95 | -42.63 | 87.55 | -58.06 | -80.46 | -82.91 | -76.44 | -63.83 | -53.54 |
| 0984 Uramustine | ATC | -88.07 | -85.23 | -90.91 | -68.53 | -88.98 | -68.60 | -90.31 | -92.59 | -88.56 | -96.70 | -96.09 | -91.80 | -77.35 |
| 0986 Imidazol mustan | ATC | -98.14 | -98.48 | -98.64 | -97.27 | -97.36 | -96.37 | -96.22 | -97.74 | -99.45 | -98.61 | -97.84 | -98.64 | -87.78 |
| 0988 DMDAI | ATC | -95.79 | -69.40 | -72.28 | -71.70 | -77.39 | -91.07 | -84.65 | -85.47 | -73.62 | -50.77 | -93.20 | -99.17 | -79.69 |
| 0991 Asperlin | ATC | 41.97 | 37.55 | 59.03 | 11.65 | 44.06 | 21.95 | 33.22 | 70.02 | 57.21 | 73.82 | 54.00 | 7.79 | 35.89 |
| 0994 Nifuron | ATC | -22.63 | -4.33 | -17.82 | -26.95 | -17.35 | -6.15 | -16.00 | -38.67 | -58.14 | -55.68 | -68.70 | -39.32 | 28.48 |
| 0995 Benzotef | ATC | 34.48 | 51.64 | 12.81 | 12.79 | 69.21 | 81.89 | 89.07 | -9.75 | -32.47 | -8.47 | 26.06 | 24.76 | 52.52 |
| 0996 Razoxan | ATC | -5.71 | -14.70 | -1.36 | 33.32 | 49.46 | 8.66 | -55.40 | -1.52 | -2.74 | -57.48 | -51.92 | -50.16 | 7.72 |
| 1000 Xylose | Sw | -98.25 | -98.38 | -98.28 | -99.46 | -99.01 | -98.67 | -95.29 | -95.88 | -97.60 | -97.58 | -96.46 | -98.80 | -98.96 |
| 1009 Aspartame | Sw | 17.13 | -43.00 | 33.15 | -7.81 | 39.67 | -9.97 | 21.06 | 25.89 | -54.33 | 66.79 | 81.21 | -9.18 | -12.31 |
| 1010 S 2346 | Sw | 98.51 | 98.89 | 98.21 | 98.31 | 98.11 | 99.05 | 97.60 | 96.53 | 98.24 | 97.72 | 97.70 | 96.74 | 98.27 |
| 1011 Chinoin-401 | Sw | 86.04 | 97.11 | 93.01 | 95.66 | 86.72 | 93.20 | 94.67 | 87.95 | 89.15 | 85.60 | 84.61 | 59.13 | 87.71 |
| 1013 DL 204 IT | Mx | 99.21 | 99.42 | 99.15 | 99.16 | 99.02 | 99.50 | 99.38 | 99.28 | 99.70 | 99.45 | 99.31 | 98.97 | 98.89 |

Anexo 3a. cont.

| Nombre | Act. | ΔP % ^a | ΔP % ^b | ΔP% ^c | ΔP % ^d | ΔP % ^e | ΔP % ^f | ΔP% ^g | ΔP % ^h | ΔP % ⁱ | ΔP % ^j | ΔP % ^k | ΔP % ^l | ΔP % ^m |
|------------------------------------|------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 1014 Clonobulin | Mx | 97.79 | 96.48 | 97.93 | 97.21 | 98.56 | 97.98 | 96.28 | 96.09 | 96.63 | 97.77 | 98.40 | 96.17 | 96.49 |
| 1015 Dienestrol | Mx | 99.62 | 99.78 | 99.83 | 99.88 | 99.55 | 99.83 | 99.63 | 99.78 | 99.81 | 98.95 | 99.35 | 99.59 | 99.46 |
| 1016 Equilenin | Mx | 99.46 | 99.43 | 99.57 | 99.71 | 99.34 | 99.73 | 99.75 | 99.87 | 99.85 | 99.66 | 99.84 | 99.72 | 99.64 |
| 1017 Vinconate | Mx | 97.61 | 97.89 | 97.83 | 97.89 | 97.61 | 98.82 | 99.05 | 99.43 | 99.35 | 99.37 | 99.40 | 99.49 | 98.37 |
| 1018 Diethylstilbestrol | Mx | 99.11 | 99.65 | 99.66 | 99.79 | 98.86 | 99.66 | 99.30 | 99.76 | 99.75 | 97.76 | 98.58 | 99.64 | 98.65 |
| 1019 Equilin | Mx | 99.40 | 99.62 | 99.72 | 99.70 | 99.34 | 99.56 | 99.56 | 99.78 | 99.72 | 99.20 | 99.59 | 99.45 | 99.14 |
| 1020 Pipadrol hydrochloride | Mx | 99.07 | 99.10 | 98.65 | 97.73 | 98.19 | 99.21 | 98.24 | 98.42 | 97.53 | 97.81 | 98.36 | 97.99 | 98.25 |
| 1021 Ethlylysergamide | Mx | 95.99 | 91.48 | 89.41 | 94.93 | 92.30 | 97.77 | 96.72 | 95.62 | 93.61 | 98.05 | 98.88 | 98.02 | 98.57 |
| 1022 Hexestrol | Mx | 98.57 | 99.42 | 99.51 | 99.35 | 98.22 | 99.18 | 96.87 | 98.86 | 98.62 | 93.41 | 94.15 | 98.49 | 96.51 |
| 1023 Estrone | Mx | 98.59 | 99.33 | 99.44 | 99.34 | 98.35 | 99.00 | 99.15 | 99.65 | 99.44 | 98.02 | 98.90 | 99.06 | 97.89 |
| 1024 Trenbdone | Mx | 98.82 | 99.57 | 99.42 | 99.57 | 98.81 | 99.15 | 98.95 | 99.65 | 99.77 | 98.63 | 98.74 | 99.41 | 96.96 |
| 1025 Hydroxyestrone | Mx | 96.66 | 98.39 | 98.63 | 98.39 | 95.88 | 97.57 | 98.12 | 99.09 | 98.28 | 94.51 | 96.81 | 97.52 | 95.24 |
| 1026 Methallenestril | Mx | 96.49 | 96.76 | 98.59 | 98.66 | 96.80 | 98.00 | 97.87 | 97.43 | 98.86 | 98.51 | 99.19 | 99.28 | 96.21 |
| 1027 Zearalenone | Mx | 89.61 | 92.14 | 80.52 | 86.30 | 84.90 | 92.65 | 86.60 | 97.90 | 93.08 | 88.44 | 92.33 | 90.01 | 87.52 |
| 1028 Piperazine estrone sulfate | Mx | 80.42 | 97.56 | 95.93 | 98.81 | 83.91 | 97.20 | 83.51 | 96.39 | 97.06 | 93.83 | 93.93 | 93.11 | 88.97 |
| 1029 Sigetin | Mx | 33.54 | 68.99 | 77.51 | 42.86 | 65.52 | 49.03 | -39.32 | 49.77 | 86.21 | 44.49 | 48.61 | 45.07 | 8.69 |
| 1030 Drupanol | Mx | 97.18 | 97.38 | 98.24 | 98.85 | 98.43 | 97.49 | 94.99 | 97.42 | 97.83 | 95.60 | 92.74 | 96.98 | 95.90 |
| 1031 Estradiol | Mx | 95.36 | 97.93 | 97.91 | 97.54 | 94.51 | 97.07 | 95.72 | 97.87 | 98.23 | 91.04 | 92.58 | 97.00 | 90.68 |
| 1032 Epiestriol | Mx | 90.30 | 95.08 | 95.27 | 94.59 | 88.75 | 93.11 | 91.41 | 94.87 | 95.07 | 81.64 | 85.26 | 93.10 | 79.56 |
| 1033 Norclostebol | Mx | 83.02 | 92.90 | 96.43 | 92.49 | 82.82 | 88.81 | 93.33 | 95.99 | 97.12 | 81.15 | 81.30 | 93.21 | 74.88 |
| 1034 Nandrolone | Mx | 91.80 | 96.92 | 97.42 | 96.46 | 92.26 | 92.99 | 94.24 | 97.22 | 97.61 | 91.30 | 88.93 | 94.47 | 83.09 |
| 1035 Zeranol | Mx | 37.80 | 53.95 | -3.03 | 27.43 | 14.84 | 56.29 | 13.19 | 72.12 | 56.87 | -3.33 | 9.27 | 36.67 | 13.17 |
| 1036 Nandrolone sulfate sodium | Mx | 41.72 | 91.71 | 86.18 | 98.13 | 53.48 | 89.46 | -9.11 | 66.98 | 88.63 | 42.20 | 3.76 | 38.80 | 64.57 |
| 1044 Methophedrinum | Vc | 46.11 | 56.71 | 67.93 | 41.15 | 26.75 | 28.03 | 47.19 | 23.99 | 22.77 | 60.70 | 56.48 | 67.32 | 31.80 |
| 1046 Formetamate | Vc | 28.03 | -8.16 | -11.33 | -1.99 | 20.88 | 18.81 | 9.47 | -72.04 | -33.80 | 45.38 | 38.19 | 29.62 | 39.79 |
| 1047 Mephentermine | Vc | 46.44 | 23.34 | 53.65 | 46.63 | 61.64 | 30.60 | 7.65 | 30.79 | 22.17 | 64.06 | 35.86 | 57.83 | 23.58 |
| 1048 Indanazoline hydrochloride | Vc | 79.72 | 86.59 | 74.68 | 84.86 | 71.17 | 88.63 | 86.79 | 86.05 | 81.18 | 77.83 | 89.97 | 89.19 | 79.54 |
| 1049 Xylazine | Vc | 84.98 | 75.48 | 71.67 | 86.51 | 59.82 | 76.32 | 93.39 | 90.04 | 75.43 | 68.53 | 81.40 | 85.95 | 70.44 |

Anexo 3a. cont.

| Nombre | Act. | ΔP % ^a | ΔP % ^b | ΔP% ^c | ΔP % ^d | ΔP % ^e | ΔP % ^f | ΔP% ^g | ΔP % ^h | ΔP % ⁱ | ΔP % ^j | ΔP % ^k | ΔP % ^l | ΔP % ^m |
|--|-----------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 1050 Metizoline | Vc | 93.49 | 90.86 | 83.30 | 94.02 | 90.45 | 90.50 | 96.34 | 95.17 | 94.93 | 93.60 | 95.49 | 94.87 | 84.13 |
| 1051 Tetryzoline hydrochloride | Vc | 93.61 | 96.03 | 94.02 | 95.23 | 91.30 | 95.29 | 95.71 | 96.81 | 95.37 | 92.29 | 95.52 | 96.38 | 91.05 |
| 1052 Cirazoline | Vc | 86.21 | 91.58 | 90.48 | 86.21 | 83.61 | 86.95 | 91.60 | 93.64 | 89.58 | 85.01 | 89.06 | 89.50 | 86.50 |
| 1053 Tramazoline hydrochloride | Vc | 80.77 | 88.03 | 74.67 | 85.25 | 72.13 | 89.65 | 87.68 | 89.60 | 84.07 | 79.12 | 90.13 | 92.27 | 79.94 |
| 1054 Fenoxazoline | Vc | 70.19 | 84.24 | 86.22 | 84.01 | 71.46 | 72.87 | 79.92 | 89.33 | 83.09 | 74.20 | 77.95 | 86.82 | 70.31 |
| 1056 Clonazoline hydrochloride | Vc | 96.28 | 92.82 | 93.98 | 96.58 | 96.15 | 97.50 | 96.15 | 95.96 | 96.61 | 96.69 | 97.82 | 96.64 | 96.84 |
| 1057 Naphazoline | Vc | 98.43 | 97.43 | 97.71 | 98.17 | 98.30 | 98.83 | 98.47 | 98.31 | 98.28 | 98.48 | 98.99 | 98.18 | 98.41 |
| 1058 Coumazoline | Vc | 94.05 | 92.90 | 88.55 | 94.27 | 89.56 | 92.45 | 97.53 | 96.94 | 97.14 | 93.84 | 95.69 | 97.14 | 84.11 |
| 1059 Tefazoline nitrate | Vc | 94.07 | 94.45 | 95.09 | 97.10 | 93.71 | 95.46 | 96.01 | 98.41 | 97.90 | 12.19 | 69.81 | 98.03 | 82.73 |
| 1060 Tymazoline hydrochloride | Vc | 70.90 | 85.98 | 89.57 | 90.55 | 76.67 | 75.13 | 84.98 | 94.32 | 90.44 | 79.07 | 81.23 | 93.48 | 70.74 |
| 1061 Domazoline fumarate | Vc | 74.30 | 88.59 | 91.53 | 94.98 | 77.45 | 81.15 | 90.55 | 93.25 | 91.70 | 79.89 | 87.76 | 95.89 | 68.99 |
| 1063 Xylometazoline hydrochloride | Vc | 84.93 | 90.55 | 93.22 | 98.28 | 93.36 | 89.56 | 89.76 | 97.85 | 98.04 | 91.45 | 91.19 | 98.74 | 80.88 |
| 1064 Oxymetazoline hydrochloride | Vc | 66.24 | 84.18 | 81.07 | 96.64 | 79.80 | 83.04 | 81.13 | 95.83 | 95.50 | 76.32 | 82.01 | 97.03 | 68.00 |
| 1065 Mtrafazoline | Vc | 97.68 | 98.71 | 98.42 | 99.20 | 97.89 | 98.67 | 98.87 | 99.70 | 99.54 | 97.99 | 98.76 | 99.63 | 96.55 |
| 1066 Ergotamine | Vc | 99.96 | 99.92 | 99.95 | 99.96 | 99.98 | 99.98 | 99.97 | 99.98 | 99.89 | 99.98 | 99.99 | 99.88 | 99.99 |
| 1067 Dihydroergotamine mesilate | Vc | 99.98 | 99.94 | 99.96 | 99.98 | 99.99 | 99.99 | 99.98 | 99.99 | 99.95 | 99.99 | 99.99 | 99.94 | 100.00 |
| 1068 Glumipressin | Vc | -84.85 | -99.57 | -80.47 | -54.53 | 56.40 | -97.24 | -63.17 | -70.41 | -99.94 | 65.25 | 99.49 | -99.85 | -16.19 |
| 1070 Felypressin | Vc | -71.65 | -99.27 | -75.89 | -56.90 | 54.74 | -96.89 | -53.18 | -88.57 | -99.94 | 67.13 | 99.10 | -99.83 | -7.73 |
| 1073 Racefemine | MR | 97.96 | 97.48 | 98.89 | 97.36 | 98.33 | 97.16 | 96.33 | 97.96 | 96.44 | 98.57 | 97.84 | 96.58 | 96.33 |
| 1074 Orphenadrine hydrochloride | MR | 98.71 | 98.60 | 98.72 | 97.99 | 98.79 | 98.89 | 97.90 | 97.95 | 97.29 | 97.98 | 97.30 | 97.97 | 98.38 |
| 1078 Chloroxazone | MR | 43.03 | 12.70 | 2.51 | 14.70 | 33.91 | 49.71 | 0.67 | 11.17 | 9.82 | 10.64 | 13.22 | 7.43 | 37.19 |
| 1079 Zoxazolamine | MR | -6.95 | -13.28 | -37.82 | -9.37 | 1.48 | 15.86 | -24.08 | -39.18 | -7.44 | -6.45 | -13.83 | -17.22 | 9.84 |
| 1082 DEP | MR | -91.72 | -87.69 | -88.48 | -94.97 | -95.35 | -91.48 | -86.86 | -87.36 | -82.70 | -93.14 | -90.99 | -85.51 | -95.97 |
| 1086 Styramate | MR | 0.37 | 17.53 | 18.15 | 8.57 | 13.13 | 19.18 | -1.35 | -38.17 | 18.63 | 19.88 | 35.77 | 35.15 | -17.91 |

Anexo 3a. cont.

| Nombre | Act. | ΔP % ^a | ΔP % ^b | ΔP% ^c | ΔP % ^d | ΔP % ^e | ΔP % ^f | ΔP% ^g | ΔP % ^h | ΔP % ⁱ | ΔP % ^j | ΔP % ^k | ΔP % ^l | ΔP % ^m |
|-------------------------------|-----------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 1089 Phenprobamate | MR | 24.76 | 44.33 | -43.29 | -5.75 | -0.79 | 5.28 | 29.55 | 36.02 | -55.01 | -87.70 | -81.74 | 57.88 | 73.55 |
| 1090 Betaquil | MR | 37.41 | 55.21 | 59.27 | 57.45 | 60.35 | 54.77 | 27.84 | 38.36 | 65.21 | 76.39 | 76.79 | 72.14 | 21.72 |
| 1091 Mephenesin | MR | 0.11 | 21.91 | 16.89 | -8.36 | -18.63 | -8.97 | 29.60 | -1.61 | 27.52 | 37.71 | 40.59 | 36.35 | -28.55 |
| 1092 Guaifenesin | MR | -30.06 | -0.53 | -10.68 | -47.70 | -54.79 | -41.31 | -2.30 | -54.44 | -27.79 | -0.22 | -5.40 | 0.10 | -47.32 |
| 1096 Dichlormezanone | MR | 32.05 | -37.91 | 34.54 | -51.72 | 85.45 | -34.81 | 18.93 | 36.47 | 13.70 | 43.62 | 30.76 | -37.96 | 18.91 |
| 1097 Chlormezanone | MR | 70.78 | 16.74 | 63.84 | -23.91 | 93.48 | -4.62 | 55.68 | 64.22 | 44.99 | 71.27 | 59.92 | -11.15 | 46.57 |
| 1098 Mephenoxyalone | MR | 43.65 | 54.00 | 53.59 | 12.00 | 25.17 | 36.72 | 61.77 | 47.20 | 25.59 | 58.80 | 70.50 | 55.76 | 45.00 |
| 1102 Ebubamate | MR | -98.05 | -97.98 | -96.94 | -96.47 | -95.61 | -96.17 | -97.20 | -99.04 | -94.84 | -97.88 | -89.32 | -97.98 | -96.79 |
| 1104 Strychnocarpine | MR | 89.86 | 82.44 | 75.27 | 78.05 | 77.16 | 94.16 | 92.63 | 88.01 | 83.78 | 90.14 | 91.91 | 90.59 | 94.44 |
| 1106 Fenyripol hydrochloride | MR | 82.22 | 87.38 | 83.91 | 68.58 | 74.74 | 80.89 | 79.37 | 69.54 | 60.31 | 63.45 | 63.93 | 61.95 | 83.18 |
| 1107 AHR-2666 | MR | 40.44 | 19.01 | 27.60 | 10.45 | 26.73 | 31.30 | 52.12 | 7.27 | 6.13 | 35.44 | 74.62 | 33.80 | 50.99 |
| 1108 Metaxalone | MR | 66.82 | 70.53 | 75.08 | 69.50 | 69.58 | 64.78 | 80.96 | 87.22 | 79.87 | 81.31 | 85.78 | 86.38 | 61.13 |
| 1109 Luvatren | MR | 1.26 | 40.23 | 40.60 | 52.62 | -0.58 | 4.26 | 58.71 | 54.29 | 71.93 | 56.96 | 59.83 | 80.43 | -25.36 |
| 1110 Lorbamate | MR | -92.76 | -97.39 | -95.76 | -94.97 | -88.83 | -91.62 | -90.84 | -96.94 | -91.79 | -96.15 | -63.62 | -96.69 | -88.72 |
| 1112 Pifexole | MR | 95.90 | 93.59 | 91.78 | 89.07 | 93.34 | 95.92 | 92.62 | 82.18 | 91.66 | 84.92 | 80.58 | 79.67 | 95.15 |
| 1114 Quiloflex | MR | 17.97 | 36.38 | 3.35 | -48.57 | -29.44 | -8.80 | 37.53 | -48.41 | -12.68 | 29.90 | 31.52 | -11.93 | 19.16 |
| 1116 Clodanolene | MR | 79.91 | 64.61 | 77.63 | 77.04 | 88.70 | 86.47 | 70.54 | 72.06 | 70.86 | 74.00 | 74.71 | 58.72 | 93.65 |
| 1122 Ezerina | PM | 62.59 | 62.89 | 58.09 | 74.32 | 69.23 | 67.48 | 71.37 | 31.76 | 65.04 | 82.55 | 82.63 | 91.53 | 73.26 |
| 1124 Tetrastigmine | PM | -99.17 | -97.03 | -95.52 | -99.08 | -97.86 | -74.54 | -98.56 | -99.40 | -99.91 | -91.84 | -92.24 | -98.67 | -97.59 |
| 1125 Pyridostigmine bromide | PM | 30.98 | -27.52 | 10.66 | -4.43 | 55.26 | 11.29 | 30.46 | -15.46 | -25.67 | 22.81 | 27.70 | 14.50 | 43.08 |
| 1126 Pilokarpin | PM | 35.21 | 8.39 | 35.50 | 5.30 | 35.26 | 28.34 | 52.46 | 48.29 | 6.53 | 13.37 | 36.85 | 44.68 | 49.00 |
| 1128 Distigmine bromide | PM | 95.41 | 65.79 | 89.26 | 87.28 | 98.98 | 90.67 | 94.67 | 89.76 | 62.33 | 77.38 | 93.70 | 88.61 | 97.50 |
| 1129 TV 399 | SM | 94.97 | 91.49 | 95.18 | 95.44 | 96.73 | 93.61 | 84.67 | 90.54 | 87.33 | 91.99 | 86.62 | 88.97 | 89.30 |
| 1130 Alifedrine hydrochloride | SM | 79.56 | 83.37 | 84.76 | 71.00 | 70.27 | 76.50 | 83.97 | 83.77 | 78.01 | 79.82 | 80.70 | 81.16 | 64.53 |
| 1131 D 935 | SM | 34.56 | 41.61 | 25.04 | 14.39 | 13.74 | 37.51 | 22.48 | 34.53 | 20.67 | 21.62 | -1.00 | 34.71 | 4.47 |
| 1132 Lysergide | SM | 98.12 | 96.04 | 96.33 | 98.08 | 96.46 | 99.12 | 98.56 | 99.35 | 97.85 | 98.88 | 99.45 | 99.33 | 99.35 |
| 1133 Doxaminol | SM | 99.96 | 99.96 | 99.96 | 99.91 | 99.95 | 99.96 | 99.93 | 99.93 | 99.90 | 99.93 | 99.92 | 99.84 | 99.95 |
| 1134 Ergocristine | SM | 99.98 | 99.95 | 99.97 | 99.98 | 99.99 | 99.99 | 99.98 | 99.99 | 99.94 | 99.99 | 99.99 | 99.95 | 100.00 |

Anexo 3a. cont.

| Nombre | Act. | ΔP % ^a | ΔP % ^b | ΔP% ^c | ΔP % ^d | ΔP % ^e | ΔP % ^f | ΔP% ^g | ΔP % ^h | ΔP % ⁱ | ΔP % ^j | ΔP % ^k | ΔP % ^l | ΔP % ^m |
|-------------------------------------|------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 1135 Dihydroergocristine | SM | 99.97 | 99.94 | 99.96 | 99.96 | 99.98 | 99.98 | 99.97 | 99.98 | 99.87 | 99.97 | 99.99 | 99.91 | 99.99 |
| 1136 Oxyphenadrine | SM | 78.53 | 81.32 | 79.67 | 78.54 | 68.26 | 79.34 | 53.77 | 55.84 | 48.79 | 23.71 | 36.10 | 51.19 | 61.03 |
| 1137 Benzyllephedrine | SM | 98.63 | 98.96 | 99.21 | 98.33 | 98.72 | 98.86 | 97.38 | 98.03 | 97.28 | 97.58 | 95.85 | 98.23 | 97.46 |
| 1139 MK-801 | SM | 99.74 | 99.69 | 99.70 | 99.81 | 99.66 | 99.86 | 99.67 | 99.68 | 99.73 | 99.57 | 99.57 | 99.42 | 99.71 |
| 1140 Etilefrine pivalate | SM | 18.39 | -23.86 | -6.92 | -13.39 | 7.57 | -15.28 | -0.85 | -49.10 | -6.51 | 15.73 | 52.00 | -1.87 | 12.78 |
| 1141 SY 28 | SM | 91.15 | 91.07 | 91.47 | 95.50 | 95.81 | 97.73 | 97.60 | 97.27 | 96.21 | 97.04 | 96.54 | 93.03 | 96.78 |
| 1142 Pivenfrine | SM | 19.20 | -19.96 | -15.12 | -20.88 | 1.30 | -19.65 | -5.44 | -77.23 | -19.98 | 11.12 | 37.16 | -10.24 | 15.22 |
| 1143 Methyphemin,M6T | SM | 51.15 | 66.20 | 76.59 | 74.46 | 61.75 | 59.39 | 42.36 | 54.49 | 61.42 | 53.90 | 20.39 | 85.85 | 45.03 |
| 1145 Etafedrine hydrochloride | SM | 47.07 | 63.40 | 71.34 | 50.43 | 46.40 | 58.62 | 32.48 | 67.27 | 49.44 | 49.56 | 39.01 | 68.78 | 28.44 |
| 1148 Isoprenaline | SM | -57.66 | -58.45 | -59.92 | -61.55 | -69.53 | -59.82 | -76.81 | -74.00 | -73.14 | -82.61 | -74.49 | -72.54 | -71.30 |
| 1152 Methoxyphenamine hydrochloride | SM | 35.39 | 50.07 | 59.01 | 48.25 | 24.75 | 24.33 | 16.94 | -4.15 | 16.20 | 35.11 | 12.62 | 63.12 | 8.22 |
| 1154 Clorprenaline hydrochloride | SM | -8.05 | -32.58 | -8.34 | -18.67 | -15.20 | -17.99 | -43.24 | -27.76 | -23.06 | -25.44 | -20.70 | -2.38 | -39.63 |
| 1155 Alfetamine | SM | 64.78 | 47.81 | 61.08 | 49.38 | 65.06 | 58.63 | 51.28 | 53.40 | 34.04 | 58.82 | 50.51 | 57.03 | 48.59 |
| 1158 Protokylol hydrochloride | SM | 86.35 | 90.39 | 86.66 | 84.47 | 76.55 | 84.66 | 75.21 | 68.09 | 75.26 | 47.44 | 52.85 | 72.74 | 78.90 |
| 1164 Octodrine | SM | -94.76 | -97.35 | -96.07 | -96.25 | -93.50 | -95.94 | -95.80 | -97.38 | -95.80 | -90.42 | -94.70 | -95.06 | -95.58 |
| 1168 Amfetamine | SM | 26.71 | -1.26 | 31.22 | 21.15 | 35.34 | 13.54 | -6.06 | 7.93 | -3.73 | 35.49 | 16.56 | 25.85 | 2.08 |
| 1172 Hydroxyamfetamine | SM | -13.65 | -40.73 | -13.61 | -17.42 | -5.93 | -24.86 | -47.24 | -42.28 | -47.03 | -26.20 | -34.38 | -25.11 | -32.19 |
| 1174 Phenylephrine | SM | -13.31 | -0.60 | -23.78 | -32.07 | -44.51 | -25.14 | -46.01 | -77.05 | -48.55 | -47.47 | -52.87 | -33.05 | -43.80 |
| 1182 Phenamazoline | SM | 56.32 | 51.14 | 57.86 | 36.86 | 42.37 | 51.35 | 59.75 | 46.97 | 17.86 | 46.73 | 65.16 | 39.86 | 52.13 |
| 1183 Metamfetamine | SM | 53.40 | 54.53 | 62.73 | 48.28 | 46.97 | 44.11 | 24.30 | 19.95 | 34.07 | 57.17 | 36.80 | 60.45 | 24.93 |
| 1184 Pholedrine sulfate | SM | 18.24 | 18.96 | 27.05 | 13.50 | 8.05 | 8.32 | -20.53 | -34.06 | -11.73 | -0.53 | -15.16 | 15.74 | -9.99 |
| 1185 Ordenina | SM | 29.33 | 23.97 | 18.35 | 5.53 | 26.15 | 37.55 | -10.38 | -32.60 | 0.56 | -7.51 | -31.82 | 5.32 | 27.81 |
| 1190 Metanefrine | SM | -39.35 | -8.21 | -29.50 | -41.18 | -68.68 | -47.54 | -56.57 | -85.20 | -63.51 | -65.68 | -67.43 | -32.43 | -59.19 |
| 1193 Amezinium metilsulfate | SM | 53.37 | 18.04 | 51.21 | 3.44 | 58.64 | 28.64 | 72.27 | 23.97 | -9.25 | 51.74 | 48.82 | 44.70 | 55.81 |
| 1195 L | SM | 74.53 | 82.71 | 80.10 | 85.67 | 68.78 | 84.50 | 87.14 | 90.81 | 81.85 | 77.14 | 87.37 | 91.07 | 72.85 |
| 1197 Fostedil | Vd | 98.95 | 97.86 | 98.68 | 94.07 | 98.21 | 98.87 | 99.71 | 98.05 | 92.21 | 99.59 | 99.27 | 93.78 | 93.06 |

Anexo 3a. cont.

| Nombre | Act. | ΔP % ^a | ΔP % ^b | ΔP% ^c | ΔP % ^d | ΔP % ^e | ΔP % ^f | ΔP% ^g | ΔP % ^h | ΔP % ⁱ | ΔP % ^j | ΔP % ^k | ΔP % ^l | ΔP % ^m |
|--|-----------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 1158 Protokylol hydrochloride | SM | 86.35 | 90.39 | 86.66 | 84.47 | 76.55 | 84.66 | 75.21 | 68.09 | 75.26 | 47.44 | 52.85 | 72.74 | 78.90 |
| 1164 Octodrine | SM | -94.76 | -97.35 | -96.07 | -96.25 | -93.50 | -95.94 | -95.80 | -97.38 | -95.80 | -90.42 | -94.70 | -95.06 | -95.58 |
| 1168 Amfetamine | SM | 26.71 | -1.26 | 31.22 | 21.15 | 35.34 | 13.54 | -6.06 | 7.93 | -3.73 | 35.49 | 16.56 | 25.85 | 2.08 |
| 1172 Hydroxyamfetamine | SM | -13.65 | -40.73 | -13.61 | -17.42 | -5.93 | -24.86 | -47.24 | -42.28 | -47.03 | -26.20 | -34.38 | -25.11 | -32.19 |
| 1174 Phenylephrine | SM | -13.31 | -0.60 | -23.78 | -32.07 | -44.51 | -25.14 | -46.01 | -77.05 | -48.55 | -47.47 | -52.87 | -33.05 | -43.80 |
| 1182 Phenamazoline | SM | 56.32 | 51.14 | 57.86 | 36.86 | 42.37 | 51.35 | 59.75 | 46.97 | 17.86 | 46.73 | 65.16 | 39.86 | 52.13 |
| 1183 Metamfetamine | SM | 53.40 | 54.53 | 62.73 | 48.28 | 46.97 | 44.11 | 24.30 | 19.95 | 34.07 | 57.17 | 36.80 | 60.45 | 24.93 |
| 1184 Pholedrine sulfate | SM | 18.24 | 18.96 | 27.05 | 13.50 | 8.05 | 8.32 | -20.53 | -34.06 | -11.73 | -0.53 | -15.16 | 15.74 | -9.99 |
| 1185 Ordenina | SM | 29.33 | 23.97 | 18.35 | 5.53 | 26.15 | 37.55 | -10.38 | -32.60 | 0.56 | -7.51 | -31.82 | 5.32 | 27.81 |
| 1190 Metanephrine | SM | -39.35 | -8.21 | -29.50 | -41.18 | -68.68 | -47.54 | -56.57 | -85.20 | -63.51 | -65.68 | -67.43 | -32.43 | -59.19 |
| 1193 Amezinium metilsulfate | SM | 53.37 | 18.04 | 51.21 | 3.44 | 58.64 | 28.64 | 72.27 | 23.97 | -9.25 | 51.74 | 48.82 | 44.70 | 55.81 |
| 1195 L | SM | 74.53 | 82.71 | 80.10 | 85.67 | 68.78 | 84.50 | 87.14 | 90.81 | 81.85 | 77.14 | 87.37 | 91.07 | 72.85 |
| 1197 Fostedil | Vd | 98.95 | 97.86 | 98.68 | 94.07 | 98.21 | 98.87 | 99.71 | 98.05 | 92.21 | 99.59 | 99.27 | 93.78 | 93.06 |
| 1198 Phenoxybenzamine hydrochloride | Vd | 98.29 | 98.60 | 98.92 | 97.56 | 98.62 | 98.76 | 98.44 | 98.83 | 97.26 | 98.58 | 97.71 | 97.85 | 98.26 |
| 1199 Isoxsuprime hydrochloride | Vd | 91.27 | 90.31 | 94.80 | 87.87 | 90.40 | 88.42 | 85.07 | 83.75 | 81.17 | 88.39 | 86.85 | 80.54 | 84.94 |
| 1200 Benfurodil hemisuccinate | Vd | 98.23 | 98.14 | 98.55 | 98.98 | 98.97 | 98.66 | 99.08 | 99.87 | 99.71 | 99.82 | 99.88 | 99.27 | 98.15 |
| 1202 CV 705 | Vd | 95.20 | 98.74 | 98.51 | 98.65 | 91.23 | 96.38 | 97.72 | 96.10 | 93.22 | 92.39 | 89.87 | 98.57 | 93.75 |
| 1203 Dilevalol hydrochloride | Vd | 87.89 | 91.62 | 88.61 | 91.88 | 87.54 | 91.29 | 74.54 | 78.42 | 79.77 | 84.64 | 86.54 | 83.80 | 82.01 |
| 1204 Pipratecol | Vd | 88.99 | 95.25 | 92.09 | 89.14 | 85.95 | 92.89 | 89.75 | 92.02 | 82.93 | 67.80 | 69.71 | 89.55 | 90.83 |
| 1205 Buphenine hydrochloride | Vd | 95.79 | 95.92 | 97.84 | 96.50 | 95.95 | 95.64 | 90.81 | 94.25 | 93.01 | 93.18 | 92.42 | 93.33 | 89.38 |
| 1206 Bencyclane fumarate | Vd | 80.92 | 82.58 | 75.04 | 59.86 | 80.45 | 83.64 | 79.74 | 87.70 | 78.66 | 81.26 | 84.77 | 85.56 | 80.17 |
| 1207 Papaverine | Vd | 98.57 | 99.56 | 99.71 | 99.53 | 97.86 | 99.11 | 99.60 | 98.80 | 98.87 | 99.31 | 99.05 | 99.73 | 98.95 |
| 1208 Ftorin | Vd | 97.96 | 97.07 | 98.25 | 98.93 | 96.71 | 98.76 | 90.83 | 99.41 | 98.56 | 98.81 | 99.33 | 99.26 | 82.63 |
| 1209 Aligeron | Vd | 99.73 | 99.62 | 99.54 | 98.99 | 99.75 | 99.77 | 99.60 | 99.67 | 99.35 | 99.57 | 99.36 | 99.46 | 99.76 |
| 1210 Chinotoxin | Vd | 96.76 | 97.59 | 96.28 | 95.03 | 94.69 | 96.92 | 98.01 | 95.87 | 97.50 | 97.78 | 97.14 | 97.15 | 96.81 |

Anexo 3a. cont.

| Nombre | Act. | ΔP % ^a | ΔP % ^b | ΔP% ^c | ΔP % ^d | ΔP % ^e | ΔP % ^f | ΔP% ^g | ΔP % ^h | ΔP % ⁱ | ΔP % ^j | ΔP % ^k | ΔP % ^l | ΔP % ^m |
|---------------------------------------|------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 1211 Alprostadil | Vd | -23.79 | 16.20 | -3.47 | -7.83 | -16.77 | -0.53 | -31.70 | 27.30 | 12.99 | -38.86 | -36.74 | -36.92 | -58.96 |
| 1216 Apovincamine | Vd | 98.85 | 98.91 | 98.66 | 99.34 | 98.88 | 99.47 | 99.69 | 99.79 | 99.74 | 99.62 | 99.59 | 99.85 | 99.36 |
| 1217 Alkaloid F | Vd | 99.35 | 98.89 | 99.02 | 99.18 | 97.72 | 99.54 | 99.50 | 98.65 | 98.38 | 99.24 | 99.35 | 99.00 | 99.59 |
| 1218 Vincamine | Vd | 95.14 | 95.97 | 95.78 | 96.90 | 96.32 | 97.88 | 98.76 | 99.63 | 98.72 | 98.71 | 99.04 | 99.50 | 97.74 |
| 1219 Nimedipine | Vd | 94.44 | 87.19 | 92.04 | 90.52 | 86.11 | 92.89 | 75.86 | 95.20 | 78.69 | 95.33 | 96.54 | 93.98 | 88.26 |
| 1220 Ifenprodil tartrate | Vd | 99.02 | 99.38 | 99.38 | 98.73 | 99.01 | 99.31 | 98.22 | 99.31 | 98.54 | 97.56 | 97.30 | 98.66 | 98.21 |
| 1221 Assedil | Vd | 97.54 | 95.23 | 95.59 | 92.37 | 93.39 | 96.65 | 96.78 | 96.83 | 95.74 | 96.90 | 98.36 | 93.07 | 94.05 |
| 1222 Diniprofylline | Vd | 99.42 | 96.59 | 96.64 | 98.52 | 98.08 | 98.81 | 99.12 | 96.53 | 93.69 | 96.67 | 98.36 | 95.88 | 99.50 |
| 1223 Azaclorzine hydrochloride | Vd | 98.66 | 96.64 | 93.81 | 95.38 | 98.76 | 98.69 | 98.98 | 99.00 | 98.30 | 99.11 | 99.00 | 96.65 | 99.00 |
| 1224 Dipropfenhydrochloride | Vd | 99.67 | 99.42 | 99.05 | 99.01 | 99.41 | 99.37 | 99.04 | 98.46 | 97.68 | 98.52 | 98.37 | 96.47 | 99.10 |
| 1226 Fendiline hydrochloride | Vd | 99.99 | 99.99 | 99.99 | 99.99 | 99.98 | 99.99 | 99.96 | 99.97 | 99.96 | 99.96 | 99.96 | 99.95 | 99.95 |
| 1227 Micinicate | Vd | 99.53 | 98.94 | 99.06 | 98.46 | 99.76 | 99.15 | 97.59 | 96.13 | 98.74 | 97.79 | 95.29 | 90.65 | 99.50 |
| 1228 Nicergoline | Vd | 98.42 | 97.51 | 98.00 | 99.09 | 99.48 | 98.94 | 98.05 | 99.20 | 99.08 | 99.36 | 99.20 | 99.32 | 99.69 |
| 1229 Belarizine | Vd | 99.98 | 99.97 | 99.97 | 99.92 | 99.98 | 99.98 | 99.94 | 99.95 | 99.89 | 99.92 | 99.89 | 99.90 | 99.97 |
| 1230 Aceperone | Vd | 99.68 | 99.77 | 99.79 | 99.63 | 99.79 | 99.67 | 99.60 | 99.85 | 99.65 | 99.82 | 99.77 | 99.74 | 99.47 |
| 1231 Carvedilol | Vd | 98.92 | 98.52 | 97.93 | 96.90 | 96.24 | 99.10 | 99.51 | 96.46 | 97.32 | 99.64 | 99.72 | 98.63 | 99.67 |
| 1232 Prenylamine | Vd | 99.99 | 99.98 | 99.99 | 99.98 | 99.99 | 99.98 | 99.95 | 99.97 | 99.96 | 99.97 | 99.96 | 99.95 | 99.95 |
| 1233 Odiphalin | BAB | 99.97 | 99.97 | 99.98 | 99.95 | 99.97 | 99.96 | 99.92 | 99.93 | 99.90 | 99.95 | 99.94 | 99.88 | 99.92 |
| 1234 Mecinarone | BAB | 96.56 | 99.19 | 98.08 | 98.06 | 93.26 | 98.25 | 98.71 | 94.77 | 97.23 | 96.87 | 94.67 | 98.62 | 98.81 |
| 1235 Ethaverine | BAB | 98.86 | 99.84 | 99.78 | 99.76 | 98.40 | 99.44 | 99.27 | 99.90 | 99.95 | 99.96 | 99.93 | 99.84 | 99.08 |
| 1236 Depogen | BAB | 98.03 | 99.70 | 99.49 | 99.59 | 96.20 | 99.06 | 98.50 | 99.86 | 99.87 | 99.91 | 99.83 | 99.81 | 98.30 |
| 1239 PHQA 33 | BAB | 85.60 | 83.92 | 86.26 | 66.45 | 83.21 | 73.27 | 83.62 | 63.67 | 66.69 | 88.35 | 87.57 | 54.08 | 84.98 |
| 1240 Ericolol | BAB | 45.43 | -15.44 | 13.21 | 44.03 | 71.69 | 15.95 | 17.02 | 11.24 | 54.02 | 73.94 | 66.22 | 21.80 | 43.29 |
| 1241 Ancarolol | BAB | 33.50 | -11.25 | 9.46 | -10.44 | 48.63 | -3.71 | 11.37 | -45.12 | -23.84 | 44.33 | 35.83 | -56.74 | 51.93 |
| 1242 Amusulalol hydrochloride | BAB | 19.86 | 36.38 | 43.79 | -7.03 | -15.75 | -8.77 | 42.10 | -5.86 | 64.26 | 39.86 | 35.71 | 51.64 | 9.58 |
| 1243 K 4423 | BAB | 67.76 | 74.20 | 64.90 | 71.83 | 63.64 | 64.80 | 76.63 | 85.04 | 82.65 | 81.03 | 81.36 | 87.02 | 52.62 |
| 1245 Exaprolol hydrochloride | BAB | 36.86 | 42.99 | 33.68 | 22.99 | 27.97 | 26.21 | 34.77 | 57.11 | 48.54 | 52.38 | 49.75 | 63.08 | 13.76 |

Anexo 3a. cont.

| Nombre | Act. | ΔP % ^a | ΔP % ^b | ΔP% ^c | ΔP % ^d | ΔP % ^e | ΔP % ^f | ΔP% ^g | ΔP % ^h | ΔP % ⁱ | ΔP % ^j | ΔP % ^k | ΔP % ^l | ΔP % ^m |
|--------------------------------|------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 1253 Tolamolol hydrochloride | BAB | 80.67 | 88.34 | 85.79 | 79.93 | 78.40 | 75.26 | 86.52 | 70.47 | 77.18 | 93.83 | 95.94 | 83.49 | 79.99 |
| 1254 Isoxaprolol | BAB | 72.05 | 40.16 | 66.10 | 62.51 | 85.05 | 40.10 | 59.51 | 24.10 | 51.33 | 84.50 | 79.80 | 29.57 | 73.06 |
| 1256 Bornaprolol hydrochloride | BAB | 68.49 | 66.54 | 65.08 | 53.61 | 66.13 | 58.24 | 65.42 | 70.98 | 65.03 | 77.99 | 72.98 | 74.48 | 54.32 |
| 1258 Indopanolol | BAB | 89.82 | 85.44 | 84.89 | 73.81 | 76.78 | 87.05 | 94.35 | 82.02 | 85.21 | 95.37 | 96.31 | 89.91 | 91.32 |
| 1259 IPS 339 | BAB | 79.38 | 18.16 | 59.32 | 84.08 | 84.55 | 83.85 | 89.53 | 58.45 | 88.81 | 96.93 | 95.28 | 80.20 | 93.36 |
| 1260 Chinoín 103 | BAB | 91.95 | 88.73 | 83.94 | 77.70 | 86.66 | 91.65 | 94.53 | 92.48 | 90.56 | 96.05 | 95.74 | 91.25 | 90.25 |
| 1261 D 2343-HCl | BAB | 92.48 | 91.79 | 96.27 | 95.62 | 94.51 | 90.69 | 85.15 | 87.66 | 86.06 | 87.34 | 85.20 | 90.98 | 84.99 |
| 1262 Bevantolol hydrochloride | BAB | 90.09 | 95.91 | 96.80 | 94.20 | 85.93 | 85.08 | 94.78 | 88.12 | 89.04 | 93.47 | 92.34 | 96.98 | 83.51 |
| 1263 Sulfinalol hydrochloride | BAB | 95.83 | 95.34 | 97.74 | 93.17 | 83.94 | 84.64 | 89.79 | 87.69 | 92.52 | 88.06 | 80.69 | 82.12 | 76.51 |
| 1264 ROM-203 | BAB | 63.79 | 53.20 | 50.11 | -11.00 | 36.32 | 11.25 | 72.60 | 32.82 | -2.79 | 79.46 | 86.30 | 41.24 | 43.66 |
| 1265 Cromipranol | BAB | -13.75 | 35.45 | 37.99 | 81.76 | 25.47 | -9.34 | 59.57 | 89.66 | 90.23 | 85.51 | 85.66 | 90.35 | -6.02 |
| 1268 Spirendolol | BAB | 57.11 | 13.49 | 16.52 | 33.13 | 69.31 | 37.43 | 58.93 | 50.83 | 70.15 | 76.81 | 79.14 | 62.26 | 65.46 |
| 1270 Butyroxane | BAB | 99.73 | 99.89 | 99.77 | 99.51 | 99.64 | 99.76 | 99.79 | 99.88 | 99.86 | 99.80 | 99.72 | 99.73 | 99.74 |
| 1271 Solypertine | BAB | 99.12 | 99.51 | 98.86 | 98.23 | 98.37 | 99.45 | 99.44 | 99.22 | 98.85 | 98.60 | 98.50 | 99.37 | 99.63 |
| 1272 Flusoxolol | BAB | 86.81 | 90.98 | 93.06 | 74.87 | 84.05 | 75.55 | 83.52 | 73.92 | 81.39 | 89.11 | 82.87 | 77.24 | 75.99 |
| 1273 Mindodilol | BAB | 98.84 | 98.41 | 97.36 | 91.54 | 97.63 | 98.78 | 98.76 | 98.19 | 94.91 | 98.40 | 98.55 | 96.23 | 99.32 |
| 1274 Bopindolol | BAB | 98.36 | 90.87 | 95.46 | 96.42 | 99.18 | 97.22 | 96.15 | 95.69 | 94.13 | 98.98 | 98.66 | 92.14 | 98.74 |
| 1276 IEM-611 | BAB | 99.07 | 99.35 | 99.61 | 99.61 | 99.55 | 99.33 | 97.12 | 99.66 | 99.28 | 99.38 | 99.34 | 99.39 | 98.26 |
| 1298 Erysimin | Cdt | 86.62 | 88.91 | 97.35 | 91.73 | 88.93 | 79.64 | 94.12 | 96.79 | 92.76 | 85.00 | 92.16 | 72.52 | 63.84 |
| 1299 Corchoroside A | Cdt | 86.62 | 88.91 | 97.35 | 91.73 | 88.93 | 79.64 | 94.12 | 96.79 | 92.76 | 85.00 | 92.16 | 72.52 | 63.84 |
| 1300 Convallatoxin | Cdt | 68.82 | 74.04 | 94.48 | 78.20 | 69.92 | 51.67 | 89.21 | 93.75 | 80.24 | 66.25 | 82.83 | 41.71 | 30.81 |
| 1301 Glucostrophantidin | Cdt | 47.48 | 57.01 | 87.25 | 53.56 | 39.69 | 19.11 | 79.87 | 85.74 | 61.39 | 28.03 | 63.00 | 2.48 | -10.32 |
| 1302 Ramnodigin | Cdt | 94.90 | 97.53 | 99.18 | 98.24 | 96.86 | 94.59 | 98.02 | 99.41 | 98.83 | 97.65 | 97.44 | 95.83 | 87.49 |
| 1303 Locundieside | Cdt | 22.58 | 40.76 | 85.49 | 66.45 | 47.97 | 1.25 | 68.36 | 87.30 | 55.45 | 34.45 | 53.25 | -2.17 | -37.17 |
| 1304 Covallataxol | Cdt | 30.17 | 58.48 | 87.83 | 63.50 | 35.42 | 11.92 | 72.87 | 86.79 | 69.07 | 28.46 | 57.07 | 9.79 | -36.44 |
| 1305 Acocantherin | Cdt | -32.52 | -3.89 | 54.09 | 11.59 | -25.76 | -52.66 | 7.91 | 51.03 | -6.53 | -59.03 | -23.74 | -69.17 | -84.08 |
| 1306 Coumingine | Cdt | 80.37 | 56.88 | 90.68 | 96.52 | 96.78 | 66.33 | 62.69 | 79.59 | 81.14 | 80.18 | 66.35 | 47.77 | 77.57 |

Anexo 3a. cont.

| Nombre | Act. | ΔP % ^a | ΔP % ^b | ΔP% ^c | ΔP % ^d | ΔP % ^e | ΔP % ^f | ΔP% ^g | ΔP % ^h | ΔP % ⁱ | ΔP % ^j | ΔP % ^k | ΔP % ^l | ΔP % ^m |
|----------------------------|------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 1307 Proscillarinidin | Cdt | 96.23 | 98.44 | 99.59 | 99.44 | 95.35 | 94.70 | 98.73 | 99.57 | 98.80 | 96.87 | 98.42 | 96.95 | 88.16 |
| 1308 Peruvoside | Cdt | 89.94 | 93.83 | 98.74 | 92.89 | 88.95 | 86.21 | 96.45 | 96.88 | 91.77 | 91.26 | 93.64 | 80.78 | 79.86 |
| 1309 Strospeside | Cdt | 68.77 | 83.16 | 96.00 | 88.27 | 76.96 | 62.56 | 83.99 | 92.05 | 78.08 | 72.81 | 69.97 | 49.54 | 33.42 |
| 1310 Asclepin | Cdt | 97.81 | 98.76 | 99.78 | 99.16 | 98.98 | 96.86 | 99.15 | 99.81 | 99.46 | 99.42 | 99.46 | 94.41 | 97.62 |
| 1311 Meprosicularin | Cdt | 97.56 | 99.16 | 99.82 | 99.68 | 96.99 | 96.90 | 99.11 | 99.58 | 98.91 | 97.80 | 98.69 | 97.76 | 93.46 |
| 1312 Formylstrospeside | Cdt | 80.76 | 89.65 | 97.51 | 94.11 | 89.00 | 79.15 | 91.17 | 95.14 | 88.92 | 90.21 | 91.59 | 69.79 | 60.03 |
| 1313 Oleandrin | Cdt | 95.89 | 97.37 | 99.52 | 98.73 | 98.09 | 93.82 | 97.14 | 99.33 | 98.26 | 98.99 | 98.29 | 93.65 | 86.94 |
| 1315 Erysimoside | Cdt | 30.34 | 43.12 | 87.12 | 23.20 | 26.03 | -11.51 | 81.07 | 87.73 | 52.70 | 32.24 | 69.99 | -46.68 | -28.19 |
| 1317 Amitraz | Ac | 99.30 | 99.23 | 99.59 | 99.87 | 99.49 | 99.49 | 99.70 | 99.72 | 99.71 | 98.96 | 98.97 | 99.81 | 99.30 |
| 1318 Piperonyl Butoxide | Ac | 48.55 | 82.64 | 57.74 | 30.81 | 11.07 | 60.00 | 60.27 | 75.78 | 75.93 | 57.49 | 27.77 | 78.34 | 31.56 |
| 1319 Deltamethrin | Ac | 99.85 | 99.13 | 99.48 | 99.81 | 99.92 | 99.30 | 99.52 | 98.80 | 99.01 | 99.63 | 99.34 | 89.58 | 99.79 |
| 1320 Cipermethrin | Ac | 99.90 | 99.56 | 99.73 | 99.81 | 99.92 | 99.74 | 99.67 | 99.26 | 99.30 | 99.63 | 99.35 | 98.21 | 99.79 |
| 1321 Flumethrin | Ac | 99.99 | 99.98 | 99.99 | 99.98 | 99.99 | 99.99 | 99.97 | 99.97 | 99.96 | 99.96 | 99.95 | 99.91 | 99.98 |
| 1322 Cylothrin | Ac | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 99.99 | 100.00 |
| 1323 Gossypol | Ac | 86.76 | 98.39 | 92.15 | 99.97 | 52.79 | 99.93 | 99.75 | 99.96 | 99.98 | 98.25 | 99.18 | 99.97 | 99.96 |
| 1324 Tetramethrin | Ac | 95.68 | 92.61 | 94.11 | 98.66 | 96.15 | 94.54 | 93.54 | 96.92 | 95.93 | 87.66 | 89.05 | 96.59 | 92.66 |
| 1325 Phenothrin | Ac | 99.90 | 99.89 | 99.94 | 99.94 | 99.95 | 99.85 | 99.77 | 99.82 | 99.80 | 99.82 | 99.69 | 99.67 | 99.85 |
| 1326 Bromopropylate | Ac | 90.91 | 81.39 | 91.70 | 95.81 | 96.30 | 86.84 | 41.88 | 96.37 | 92.91 | 96.98 | 97.52 | 66.21 | 94.25 |
| 1327 Proclonol | Ac | 98.69 | 97.51 | 98.21 | 98.09 | 98.40 | 99.11 | 97.08 | 97.02 | 97.70 | 95.71 | 96.52 | 96.30 | 98.01 |
| 1328 Tioctilate | Ac | 89.63 | 84.86 | 68.32 | 59.13 | 67.54 | 79.14 | 76.57 | 67.07 | 59.97 | 63.94 | 49.55 | 52.96 | 68.53 |
| 1329 Tibenzate | Ac | 99.77 | 99.53 | 99.55 | 98.78 | 99.27 | 99.33 | 98.91 | 98.12 | 97.34 | 98.44 | 98.34 | 96.05 | 98.88 |
| 1330 Thanite | Ac | 63.78 | 34.74 | 69.11 | 73.74 | 17.65 | 34.48 | 24.76 | 75.04 | 60.35 | 37.00 | 26.42 | 47.92 | 28.77 |
| 1332 Heptenophos | Ac | -37.43 | -34.82 | -11.52 | -64.31 | -11.29 | 31.00 | 67.43 | -85.97 | -92.92 | 21.81 | -29.53 | -27.25 | -18.48 |
| 1334 PR-H 286 BS | IMS | -30.52 | -42.75 | -36.56 | -2.31 | -29.38 | -33.69 | -67.32 | -46.38 | -77.68 | 16.72 | 2.46 | -0.26 | -24.65 |
| 1335 EN-3638 | IMS | 96.04 | 96.35 | 92.88 | 96.07 | 94.56 | 97.32 | 88.70 | 88.57 | 93.47 | 80.43 | 74.87 | 85.65 | 94.41 |
| 1336 CP-17193 | IMS | 99.32 | 97.66 | 97.09 | 97.15 | 96.50 | 99.19 | 98.24 | 91.76 | 93.62 | 96.64 | 97.50 | 89.93 | 98.92 |
| 1341 Sch 24937 | IMS | 83.53 | 63.10 | 84.44 | 78.44 | 75.13 | 90.21 | 93.14 | 85.63 | 87.32 | 96.43 | 93.07 | 22.92 | 97.54 |
| 1342 Dinaline | IMS | 86.37 | 62.48 | 69.83 | 62.63 | 75.01 | 88.71 | 69.56 | 15.60 | -24.75 | 58.76 | 77.80 | 22.99 | 88.68 |
| 1344 Adapiprazine | IMS | 99.88 | 99.88 | 99.69 | 99.63 | 99.86 | 99.90 | 99.95 | 99.95 | 99.88 | 99.92 | 99.91 | 99.80 | 99.91 |
| 1345 Ethydine | TtLD | 48.27 | 61.14 | 73.85 | 86.79 | -6.83 | 51.61 | 55.81 | 90.80 | 81.21 | 72.22 | 89.21 | 86.24 | 8.16 |

Anexo 3a. cont.

| Nombre | Act. | ΔP % ^a | ΔP % ^b | ΔP% ^c | ΔP % ^d | ΔP % ^e | ΔP % ^f | ΔP% ^g | ΔP % ^h | ΔP % ⁱ | ΔP % ^j | ΔP % ^k | ΔP % ^l | ΔP % ^m |
|---|-------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 1346 Lipothiamine pyrophosphate | TtLD | -96.75 | -85.88 | -86.34 | -96.43 | -91.84 | -43.67 | -93.05 | -96.59 | -83.14 | -96.62 | -98.11 | -92.44 | -92.43 |
| 1362 Acidum methenoxycinnamicum | TtLD | 83.02 | 87.43 | 81.27 | 75.77 | 76.86 | 85.16 | 77.09 | 76.99 | 85.51 | 74.65 | 77.07 | 78.71 | 77.42 |
| 1363 Ooporphyrin | TtLD | 99.97 | 99.97 | 99.98 | 100.00 | 99.98 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 99.99 |
| 1365 Beta-sitosterol | TtLD | 92.58 | 98.82 | 99.54 | 99.66 | 96.21 | 96.43 | 94.47 | 99.63 | 99.36 | 95.86 | 89.78 | 99.27 | 79.06 |
| 1366 Silicristin | TtLD | 98.50 | 99.62 | 97.85 | 98.53 | 93.27 | 99.07 | 98.31 | 95.81 | 96.22 | 84.14 | 90.53 | 92.48 | 99.02 |
| 1367 Silidianin | TtLD | 98.86 | 99.74 | 99.19 | 99.08 | 96.34 | 99.24 | 98.84 | 97.99 | 97.21 | 94.14 | 96.60 | 92.43 | 99.39 |
| 1369 Ambucetamide | ATSp | 2.66 | 45.86 | 45.35 | 35.22 | 23.71 | 33.10 | -18.40 | 36.87 | 4.84 | 12.61 | 19.28 | 57.68 | 15.61 |
| 1370 Aminopromazine | ATSp | 92.38 | 84.36 | 77.27 | 73.42 | 93.59 | 92.09 | 85.04 | 76.13 | 70.72 | 93.46 | 89.76 | 85.70 | 95.13 |
| 1371 Apoatropine | ATSp | 97.88 | 97.07 | 97.57 | 96.26 | 97.22 | 97.73 | 97.22 | 97.14 | 96.40 | 96.62 | 96.94 | 95.20 | 97.65 |
| 1373 Butaverine | ATSp | 91.45 | 92.00 | 90.33 | 82.20 | 88.51 | 92.82 | 87.18 | 96.89 | 90.62 | 86.86 | 89.68 | 93.83 | 86.72 |
| 1374 N-Butylscopolammonium Bromide | ATSp | 95.57 | 96.87 | 97.19 | 96.15 | 96.59 | 94.80 | 94.23 | 96.32 | 92.86 | 91.37 | 91.63 | 91.62 | 94.81 |
| 1375 Caroverine | ATSp | 98.81 | 99.34 | 99.43 | 99.01 | 99.28 | 99.19 | 98.79 | 99.26 | 99.19 | 98.79 | 98.89 | 98.66 | 99.03 |
| 1376 Cimetropium Bromide | ATSp | 97.49 | 96.55 | 97.14 | 96.44 | 98.01 | 95.82 | 98.02 | 96.71 | 94.75 | 95.86 | 95.91 | 92.48 | 98.04 |
| 1377 CinNombredrine | ATSp | 99.54 | 99.64 | 99.74 | 99.41 | 99.55 | 99.63 | 98.94 | 99.23 | 98.94 | 99.08 | 98.57 | 99.19 | 99.06 |
| 1378 Cyclonium iodide | ATSp | 93.48 | 94.57 | 90.59 | 91.97 | 95.29 | 94.50 | 96.50 | 98.62 | 96.39 | 93.73 | 95.13 | 97.20 | 96.13 |
| 1379 Diisopromine | ATSp | 99.54 | 99.71 | 99.85 | 99.73 | 99.73 | 99.68 | 98.69 | 99.77 | 99.65 | 99.54 | 99.42 | 99.34 | 99.00 |
| 1380 Diponium Bromide | ATSp | 10.88 | 37.48 | 51.32 | 38.14 | 28.86 | 38.58 | 36.02 | 52.90 | 54.48 | 18.01 | -25.28 | 11.77 | 7.52 |
| 1381 Drofenine | ATSp | 92.61 | 94.60 | 94.48 | 89.20 | 91.65 | 94.65 | 89.55 | 97.90 | 93.07 | 92.20 | 89.79 | 95.64 | 87.44 |
| 1382 Emepronium Bromide | ATSp | 99.32 | 99.12 | 99.57 | 99.48 | 99.69 | 99.48 | 98.42 | 99.48 | 98.74 | 99.22 | 98.99 | 99.21 | 99.02 |
| 1383 Ethaverine | ATSp | 98.86 | 99.84 | 99.78 | 99.76 | 98.40 | 99.44 | 99.27 | 99.90 | 99.95 | 99.96 | 99.93 | 99.84 | 99.08 |
| 1384 Etomiololine | ATSp | 99.23 | 99.07 | 98.29 | 97.25 | 98.77 | 99.41 | 99.05 | 99.29 | 98.25 | 99.03 | 99.27 | 98.53 | 99.37 |
| 1385 Feclomine | ATSp | 87.40 | 94.86 | 95.04 | 92.29 | 88.63 | 94.02 | 84.01 | 99.15 | 94.34 | 95.35 | 93.52 | 98.32 | 83.81 |
| 1386 Fenalamide | ATSp | 71.43 | 80.58 | 86.54 | 84.64 | 53.59 | 78.70 | 74.99 | 93.36 | 72.92 | 89.92 | 93.97 | 90.64 | 56.24 |
| 1387 Fenoverine | ATSp | 99.98 | 99.96 | 99.91 | 99.83 | 99.99 | 99.97 | 99.96 | 99.96 | 99.91 | 99.95 | 99.93 | 99.86 | 99.98 |
| 1388 Fenpiverinium Bromide | ATSp | 99.01 | 98.90 | 98.09 | 99.21 | 99.50 | 99.48 | 98.64 | 98.62 | 98.39 | 98.98 | 99.12 | 98.62 | 99.39 |

Anexo 3a. cont.

| Nombre | Act. | ΔP % ^a | ΔP % ^b | ΔP% ^c | ΔP % ^d | ΔP % ^e | ΔP % ^f | ΔP% ^g | ΔP % ^h | ΔP % ⁱ | ΔP % ^j | ΔP % ^k | ΔP % ^l | ΔP % ^m |
|-------------------------------------|------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 1389 Flavoxate | ATSp | 99.68 | 99.63 | 99.14 | 99.31 | 99.11 | 99.81 | 99.87 | 99.64 | 99.75 | 99.76 | 99.83 | 99.24 | 99.87 |
| 1390 Flopropione | ATSp | -4.83 | 29.79 | -15.24 | 4.25 | -39.63 | 20.45 | -1.08 | 20.19 | 3.00 | -45.90 | -41.40 | -9.32 | -14.68 |
| 1392 Hymecromone | ATSp | 86.57 | 86.67 | 80.77 | 85.07 | 82.75 | 87.46 | 80.14 | 86.44 | 87.50 | 75.39 | 72.82 | 77.26 | 82.25 |
| 1393 Leiopyrrole | ATSp | 99.72 | 99.80 | 99.83 | 99.74 | 99.81 | 99.82 | 99.76 | 99.91 | 99.84 | 99.84 | 99.83 | 99.68 | 99.74 |
| 1394 Mebeverine | ATSp | 99.24 | 99.53 | 99.69 | 99.18 | 99.11 | 99.27 | 98.67 | 99.55 | 99.00 | 99.00 | 99.10 | 99.61 | 98.65 |
| 1395 Moxaverine | ATSp | 99.46 | 99.76 | 99.85 | 99.79 | 99.34 | 99.73 | 99.81 | 99.77 | 99.78 | 99.74 | 99.72 | 99.88 | 99.54 |
| 1396 Nafiverine | ATSp | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| 1397 Octaverine | ATSp | 92.47 | 99.03 | 98.98 | 99.05 | 85.88 | 97.76 | 98.60 | 99.60 | 99.72 | 99.83 | 99.63 | 99.81 | 97.08 |
| 1398 Phenamacide hydrochloride | ATSp | 39.50 | 16.56 | 32.88 | -16.32 | 13.47 | 29.46 | 27.72 | 0.80 | -18.78 | 33.28 | 34.89 | 9.54 | 27.66 |
| 1399 Pipoxolan hydrochloride | ATSp | 99.75 | 99.70 | 99.43 | 98.89 | 99.59 | 99.78 | 99.62 | 99.65 | 99.57 | 99.53 | 99.47 | 98.96 | 99.75 |
| 1415 Mepartricin A | ATB | 98.01 | 77.70 | 99.51 | 98.20 | 99.78 | 83.90 | 85.97 | 95.36 | 1.35 | 92.47 | 99.09 | -13.28 | 74.41 |
| 1418 Protoanemonin | ATB | 41.07 | 27.82 | 23.59 | 8.87 | 33.60 | 26.22 | 19.54 | 29.47 | 32.40 | 23.28 | 9.37 | 5.86 | 27.37 |
| 1426 Bi-Domus | ATB | 31.69 | 40.34 | 20.37 | 3.72 | 28.14 | 39.97 | 13.87 | 19.86 | 33.23 | 8.60 | 4.30 | 10.02 | 24.19 |
| 1434 Protoxyl | ATB | -100.00 | -100.00 | 97.31 | 100.00 | -100.00 | -100.00 | 75.97 | -59.80 | -71.48 | -80.92 | -61.98 | 99.25 | 100.00 |

ΔP% ^{a,b,c,d,e,f,g,h,i,j,k,l,m} las letras a-m representan los modelos discriminantes 4.1 a 4.13 respectivamente. Los compuestos que fueron identificados (seleccionados) por todos los modelos de clasificación como promisarios analgésicos y con una probabilidad mayor que el 90 %, en todos los casos se señalado por negreta. Act.: actividad; ATV: Antiviral; HS: Hipnóticos y Sedentes; Cr: Cathartic; ATCE: Anticonvulsantes y antiepilepticos; Hmt: Hemantinic; Cr: Cathartic; Hms: Hemostatic; Dtc: Diuretic; Rp: Radioprotector; ATDb: Antidiabetic or oral hypoglycemic; ATHp: Antihypertensive; GB: Ganglion blocking; Ast: Anestesicos; IT: Inhibitor thyroid; Mx: Mixtos; ATCg: Anticoagulant; CVd: Coronary vasodilatador; ATM: Antimaláricos; ATHt: Antihelmínticos; ATDp: Antidepresivos; ATPz: Antiprotozoos; Op: Opioides; ATHm: Antihistaminicos; ATLp: Antilipidemic; ATPs: Antipsicoticos; ATF: Antifungicos; AINES: Antiinflamatorio no esteroide; ATC: Anticancer; Sw: Sweetener; Vc: Vasoconstrictor ; MR: Muscle relaxant; PM: Parasympatic mimetic; SM: Simptic mimetic; Vd: Vasodilatador; BAB: B adrenergic blocker; Cdt: Cardiotonic; Ac: Acaricide; IMS: Inmunosuppressive; TtLD: Treatment of liver disorders; ATSp: Antispasmodic; ATB: Antibacterial

[Anexos](#)

Anexo 3b: Los compuestos sintetizadas por diferentes laboratorios.

| Nombre | Serie | ΔP% ^a | ΔP% ^b | ΔP% ^c | ΔP% ^d | ΔP% ^e | ΔP% ^f | ΔP% ^g | ΔP% ^h | ΔP% ⁱ | ΔP% ^j | ΔP% ^k | ΔP% ^l | ΔP% ^m |
|--------------------|-----------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 001 Va1-11 | 91 | -48.92 | -70.34 | -62.17 | -64.76 | -50.93 | -52.18 | -90.08 | -85.11 | -86.21 | -64.57 | -82.32 | -45.88 | -41.48 |
| 002 Va1-13 | 91 | -2.63 | -21.34 | -33.73 | -49.05 | -24.35 | -0.02 | -61.39 | -37.88 | -51.07 | -66.21 | -66.38 | 2.30 | 8.30 |
| 003 Va1-15 | 91 | 95.90 | 93.73 | 93.76 | 93.16 | 95.05 | 95.90 | 82.03 | 75.98 | 81.91 | 78.15 | 64.99 | 89.57 | 95.53 |
| 004 Va1-31 | 91 | 59.65 | 64.73 | 43.20 | 22.34 | 57.84 | 63.82 | 42.00 | 66.57 | 69.75 | 2.62 | 4.54 | 81.18 | 49.01 |
| 005 Va1-33 | 91 | 83.13 | 83.64 | 71.60 | 69.86 | 86.28 | 87.20 | 84.66 | 93.38 | 90.38 | 73.31 | 74.25 | 91.14 | 81.79 |
| 006 Va2-10 | 91 | -3.57 | 14.80 | -31.40 | -31.53 | -30.15 | 24.88 | -12.69 | -48.63 | -13.18 | -62.77 | -60.73 | -2.28 | -3.32 |
| 007 Va2-17 | 91 | 95.80 | 97.43 | 96.34 | 95.08 | 93.29 | 97.47 | 82.99 | 84.44 | 92.24 | 73.21 | 65.97 | 89.80 | 93.56 |
| 008 Va2-25 | 91 | 63.79 | 71.11 | 43.63 | 19.98 | 41.41 | 63.17 | 41.41 | 59.06 | 62.23 | 11.73 | 21.49 | 73.92 | 62.66 |
| 009 Va2-26 | 91 | 84.40 | 86.43 | 72.25 | 67.63 | 78.17 | 86.56 | 84.89 | 92.19 | 87.66 | 78.58 | 82.83 | 88.17 | 86.30 |
| 010 Va2-27 | 91 | 98.82 | 98.86 | 98.42 | 97.42 | 98.26 | 98.69 | 97.03 | 94.08 | 97.67 | 94.06 | 92.33 | 96.24 | 98.35 |
| 011 Va2-38 | 91 | 46.56 | 69.64 | 28.78 | 16.63 | 20.05 | 62.03 | 21.65 | 29.49 | 54.16 | -12.79 | -22.11 | 53.52 | 44.99 |
| 012 Va3-1f | 91 | 47.75 | 44.99 | 21.29 | -5.20 | 31.23 | 45.85 | -8.62 | 32.88 | 36.54 | -16.08 | -30.60 | 50.20 | 54.64 |
| 013 Va3-3c | 91 | 91.95 | 91.84 | 82.86 | 89.08 | 94.41 | 92.06 | 92.01 | 96.80 | 95.85 | 90.72 | 88.95 | 93.08 | 93.11 |
| 014 Va3-3f | 91 | 80.10 | 81.40 | 62.75 | 64.99 | 81.98 | 76.54 | 66.76 | 80.96 | 86.01 | 54.33 | 46.18 | 84.47 | 81.20 |
| 015 Va3-8a | 91 | 99.84 | 99.84 | 99.78 | 99.79 | 99.81 | 99.90 | 99.87 | 99.79 | 99.90 | 99.79 | 99.78 | 99.52 | 99.86 |
| 016 Va3-8b | 91 | 99.55 | 99.63 | 99.48 | 99.34 | 99.32 | 99.68 | 99.47 | 99.01 | 99.65 | 99.09 | 98.92 | 99.12 | 99.59 |
| 017 Va4-6b | 91 | 98.86 | 96.34 | 97.12 | 98.09 | 98.84 | 98.21 | 97.06 | 96.43 | 96.79 | 71.77 | 65.59 | 98.38 | 99.13 |
| 018 Va4-10 | 91 | 99.21 | 99.47 | 99.25 | 98.98 | 97.84 | 99.27 | 99.35 | 94.62 | 98.44 | 92.56 | 92.46 | 99.60 | 99.40 |
| 019 Va4-18 | 91 | 98.54 | 98.60 | 97.84 | 96.95 | 98.37 | 98.57 | 98.25 | 96.92 | 98.10 | 96.25 | 95.74 | 95.17 | 98.56 |
| 020 Va5-5b | 91 | 93.51 | 96.55 | 94.04 | 85.89 | 88.63 | 94.95 | 86.65 | 76.69 | 86.87 | 60.19 | 55.14 | 86.60 | 91.33 |
| 021 Va5-6 | 91 | 88.84 | 93.38 | 87.40 | 77.33 | 84.26 | 90.63 | 79.31 | 67.78 | 80.68 | 59.19 | 56.15 | 77.13 | 89.93 |
| 022 Va5-9a | 91 | 97.48 | 94.97 | 95.09 | 89.73 | 94.26 | 96.55 | 89.79 | 75.51 | 79.55 | 81.96 | 76.99 | 87.25 | 96.46 |
| 023 Va5-10 | 91 | 92.85 | 87.18 | 85.77 | 69.73 | 85.52 | 89.27 | 79.38 | 48.64 | 53.18 | 61.05 | 56.49 | 70.49 | 93.45 |
| 024 Va5-13h | 91 | 97.91 | 98.14 | 97.97 | 95.95 | 97.10 | 97.61 | 95.65 | 89.89 | 94.54 | 92.39 | 88.54 | 96.02 | 96.96 |
| 025 Va5-13i | 91 | 97.97 | 98.34 | 98.15 | 96.54 | 97.27 | 97.70 | 95.30 | 92.28 | 95.12 | 91.74 | 87.62 | 96.26 | 96.94 |
| 026 Va5-14g | 91 | 99.94 | 99.94 | 99.95 | 99.83 | 99.90 | 99.93 | 99.81 | 99.54 | 99.76 | 99.57 | 99.38 | 99.62 | 99.88 |
| 027 Va5-14j | 91 | 95.07 | 96.88 | 96.54 | 89.25 | 90.55 | 94.83 | 93.23 | 77.50 | 86.40 | 78.62 | 68.94 | 94.18 | 92.35 |
| 028 Va5-15c | 91 | 94.61 | 87.86 | 90.74 | 77.51 | 83.89 | 93.51 | 85.27 | 58.35 | 68.51 | 62.41 | 62.47 | 80.13 | 92.87 |
| 029 Va6-5b | 91 | 20.26 | 24.94 | 19.61 | -19.13 | 12.47 | 12.45 | -13.00 | -21.95 | -26.55 | -48.45 | -64.54 | 14.25 | 22.24 |
| 030 Va6-5d | 91 | 95.44 | 95.22 | 96.84 | 94.47 | 88.71 | 93.75 | 95.18 | 88.51 | 95.06 | 94.96 | 91.37 | 92.74 | 95.00 |
| 031 Va6-6b | 91 | 55.96 | 75.88 | 73.58 | 78.86 | 24.98 | 51.31 | 95.18 | 94.01 | 95.44 | 90.99 | 91.68 | 94.71 | 68.90 |

Anexo 3b cont.

| Nombre | Serie | ΔP% ^a | ΔP% ^b | ΔP% ^c | ΔP% ^d | ΔP% ^e | ΔP% ^f | ΔP% ^g | ΔP% ^h | ΔP% ⁱ | ΔP% ^j | ΔP% ^k | ΔP% ^l | ΔP% ^m |
|--------------------|-----------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 032 Va6-9a | 91 | 57.00 | 72.89 | 49.39 | 49.93 | 59.02 | 65.24 | 17.77 | 66.11 | 74.32 | 31.16 | 31.23 | 76.71 | 45.02 |
| 033 Va6-10a | 91 | -9.80 | -26.98 | -30.59 | -34.36 | -23.49 | -38.31 | -43.03 | -80.64 | -62.57 | -38.75 | -31.14 | 18.06 | -18.75 |
| 034 Va6-17b | 91 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 99.99 | 99.98 | 99.99 | 99.98 | 99.99 | 100.00 | 100.00 |
| 035 Va6-22 | 91 | -5.06 | 45.75 | 14.96 | -9.07 | -28.67 | 12.78 | -8.27 | -3.40 | 14.98 | -37.78 | -46.96 | 27.92 | 12.42 |
| 036 Vax-2 | 91 | 8.65 | 30.56 | 12.67 | -8.28 | 6.84 | 40.29 | -20.77 | 21.52 | 6.85 | -20.99 | -33.02 | 30.19 | 31.90 |
| 037 Vax-6 | 91 | 2.99 | -10.02 | -23.35 | -46.11 | -4.58 | 11.97 | -49.74 | -24.03 | -38.68 | -49.70 | -64.39 | -6.35 | 24.82 |
| 038 Vax-7 | 91 | 12.01 | 22.08 | -2.64 | -48.40 | -6.92 | 12.00 | -24.90 | -30.08 | -35.42 | -60.42 | -77.94 | -13.46 | 21.82 |
| 039 Vax-12 | 91 | 62.79 | 58.68 | 33.08 | 39.60 | 70.49 | 62.78 | 28.40 | 62.17 | 50.61 | 20.77 | 21.50 | 61.39 | 69.40 |
| 040 Vax-13 | 91 | 34.62 | 22.86 | 16.30 | 34.57 | 62.35 | 19.07 | 22.70 | 28.83 | 18.87 | 11.35 | -9.72 | 70.17 | 44.63 |
| 041 Vax-14 | 91 | 19.68 | 27.95 | 15.23 | -5.81 | 14.02 | 22.56 | -13.45 | -2.99 | -12.71 | -9.38 | -25.91 | 29.22 | 27.32 |
| 042 Vax-16 | 91 | 21.63 | 22.31 | -11.27 | -20.03 | 9.44 | 38.31 | 12.24 | -38.36 | -13.15 | -25.29 | -35.22 | -13.95 | 30.60 |
| 043 Vax-17 | 91 | 40.29 | 53.65 | 51.00 | 32.38 | 42.31 | 37.42 | 36.36 | 41.45 | 32.44 | 16.54 | 1.69 | 72.74 | 42.94 |
| 044 Vax-18 | 91 | 40.16 | 45.69 | 28.54 | 18.27 | 37.51 | 48.40 | 55.06 | 5.19 | 30.55 | -1.89 | -10.13 | 47.66 | 44.21 |
| 045 Vax-20 | 91 | 58.65 | 66.60 | 48.93 | 17.98 | 42.64 | 61.96 | 42.78 | 50.44 | 40.68 | 27.34 | 33.11 | 58.13 | 65.09 |
| 046 Vax-21 | 91 | 59.96 | 68.79 | 48.84 | 18.19 | 43.71 | 64.34 | 41.91 | 57.85 | 44.28 | 23.27 | 33.45 | 62.95 | 66.35 |
| 047 Vax-22 | 91 | 98.94 | 99.04 | 98.77 | 97.64 | 98.63 | 99.02 | 97.26 | 96.21 | 97.12 | 96.12 | 96.25 | 96.33 | 98.88 |
| 048 Vax-23 | 91 | 90.80 | 90.83 | 86.11 | 64.81 | 85.07 | 90.34 | 80.95 | 32.35 | 70.80 | 33.61 | 46.07 | 73.82 | 91.76 |
| 049 Vax-24 | 91 | 93.90 | 92.89 | 90.33 | 79.49 | 92.39 | 93.69 | 83.69 | 57.43 | 78.02 | 73.22 | 66.13 | 83.56 | 94.49 |
| 050 VAM1 | 91 | 99.79 | 99.85 | 99.75 | 99.04 | 99.63 | 99.79 | 99.21 | 96.41 | 98.88 | 98.45 | 97.18 | 99.55 | 99.70 |
| 051 VA-M2 | 91 | 100.00 |
| 052 VAM4 | 91 | 99.68 | 99.77 | 99.73 | 99.42 | 99.37 | 99.64 | 99.35 | 95.05 | 98.28 | 98.21 | 96.50 | 99.64 | 99.51 |
| 053 VA-M5 | 91 | 100.00 | 99.99 | 100.00 | 100.00 |
| 054 VAM6 | 91 | 99.43 | 99.72 | 99.19 | 98.96 | 99.08 | 99.66 | 97.28 | 94.58 | 98.40 | 92.37 | 91.50 | 97.97 | 99.36 |
| 055 VAM7 | 91 | 99.68 | 99.77 | 99.76 | 99.42 | 99.39 | 99.65 | 99.36 | 95.15 | 98.33 | 98.22 | 96.61 | 99.65 | 99.51 |
| 056 VA-M8 | 91 | 100.00 |
| 057 VAM9 | 91 | 98.34 | 98.51 | 98.62 | 97.16 | 98.21 | 99.23 | 97.47 | 93.59 | 97.95 | 90.09 | 90.37 | 97.69 | 98.67 |
| 058 VAM10 | 91 | 99.99 | 99.99 | 99.99 | 99.99 | 99.98 | 99.99 | 99.98 | 99.86 | 99.96 | 99.96 | 99.93 | 99.99 | 99.99 |
| 059 VA-M11 | 91 | 100.00 |
| 060 VAM12 | 91 | 99.98 | 99.99 | 99.96 | 99.97 | 99.97 | 99.99 | 99.93 | 99.84 | 99.96 | 99.81 | 99.82 | 99.92 | 99.98 |
| 061 VAM13 | 91 | 98.93 | 99.42 | 99.16 | 97.92 | 97.99 | 98.75 | 98.56 | 88.47 | 95.16 | 95.62 | 93.06 | 99.08 | 98.85 |
| 062 VA-M14 | 91 | 100.00 | 100.00 | 100.00 | 99.99 | 100.00 | 100.00 | 100.00 | 99.97 | 99.99 | 99.99 | 99.97 | 100.00 | |

Anexo 3b cont.

| Nombre | Serie | ΔP% ^a | ΔP% ^b | ΔP% ^c | ΔP% ^d | ΔP% ^e | ΔP% ^f | ΔP% ^g | ΔP% ^h | ΔP% ⁱ | ΔP% ^j | ΔP% ^k | ΔP% ^l | ΔP% ^m |
|---------------------|-----------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 063 VAM15 | 91 | 98.12 | 99.29 | 97.46 | 96.29 | 97.05 | 98.81 | 94.14 | 87.65 | 95.52 | 82.37 | 83.66 | 94.86 | 98.51 |
| 064 VAM16 | 91 | 88.91 | 94.80 | 89.25 | 81.27 | 75.23 | 89.27 | 86.66 | 66.26 | 76.39 | 68.19 | 56.43 | 97.59 | 86.81 |
| 065 VAM17 | 91 | 81.14 | 93.64 | 70.47 | 68.20 | 65.19 | 89.69 | 52.36 | 62.82 | 78.12 | 10.52 | 18.42 | 86.92 | 82.35 |
| 066 VAM18 | 91 | 89.30 | 95.18 | 89.21 | 81.24 | 75.45 | 90.00 | 85.12 | 69.95 | 78.37 | 62.60 | 54.37 | 97.80 | 87.32 |
| 067 VAM19 | 91 | 81.78 | 94.10 | 70.38 | 68.19 | 65.48 | 90.39 | 48.13 | 66.98 | 79.95 | 0.67 | 15.66 | 88.01 | 83.01 |
| 068 VAM20 | 91 | 89.66 | 95.54 | 89.20 | 81.29 | 75.77 | 90.68 | 83.87 | 70.48 | 79.76 | 55.56 | 49.95 | 97.88 | 87.66 |
| 069 VAM21 | 91 | 82.37 | 94.54 | 70.35 | 68.26 | 65.90 | 91.05 | 44.81 | 67.62 | 81.24 | -10.17 | 9.79 | 88.40 | 83.46 |
| 070 VAM22 | 91 | 99.85 | 99.88 | 99.85 | 99.77 | 99.79 | 99.81 | 99.55 | 97.76 | 99.39 | 98.84 | 98.16 | 99.70 | 99.79 |
| 071 VAM23 | 91 | 100.00 |
| 072 VAM24 | 91 | 99.85 | 99.86 | 99.83 | 99.71 | 99.80 | 99.79 | 99.52 | 97.42 | 99.22 | 98.85 | 98.05 | 99.68 | 99.80 |
| 073 VAM25 | 91 | 99.85 | 99.86 | 99.84 | 99.71 | 99.80 | 99.80 | 99.52 | 97.47 | 99.25 | 98.85 | 98.11 | 99.68 | 99.80 |
| 074 VAM2-1 | 91 | 44.83 | 51.33 | 10.79 | -14.14 | 36.22 | 55.09 | 24.79 | 40.32 | 27.47 | 12.92 | 8.49 | 41.09 | 64.42 |
| 075 VAM2-2 | 91 | 46.22 | 54.10 | 10.82 | -12.29 | 35.68 | 57.61 | 28.71 | 46.66 | 31.85 | 13.39 | 13.09 | 44.96 | 65.25 |
| 076 VAM2-3 | 91 | 47.58 | 56.89 | 10.77 | -12.59 | 36.45 | 60.04 | 30.39 | 49.80 | 33.82 | 17.09 | 12.45 | 46.47 | 65.97 |
| 077 VAM2-4 | 91 | 98.81 | 99.16 | 98.22 | 97.84 | 98.84 | 99.12 | 96.80 | 98.90 | 98.33 | 96.36 | 95.97 | 98.83 | 98.94 |
| 078 VAM2-5 | 91 | 60.80 | 70.34 | 47.41 | 24.01 | 59.67 | 65.36 | 64.16 | 71.10 | 63.67 | 37.19 | 35.16 | 78.06 | 73.35 |
| 079 VAM2-6 | 91 | 61.89 | 72.23 | 47.44 | 25.77 | 59.27 | 67.42 | 66.58 | 74.76 | 66.44 | 37.59 | 39.15 | 79.85 | 74.01 |
| 080 VAM2-7 | 91 | 62.96 | 74.10 | 47.40 | 25.49 | 59.84 | 69.40 | 67.59 | 76.50 | 67.66 | 40.80 | 38.60 | 80.53 | 74.58 |
| 081 VAM2-8 | 91 | 99.24 | 99.54 | 99.21 | 99.00 | 99.38 | 99.36 | 98.83 | 99.56 | 99.34 | 97.82 | 97.68 | 99.65 | 99.24 |
| 082 VA7-34 | 91 | 18.27 | 14.62 | -11.29 | -20.78 | 8.94 | 31.88 | 0.69 | -33.69 | -19.24 | -29.35 | -32.89 | -4.16 | 28.11 |
| 083 VA7-35 | 91 | 19.96 | 18.44 | -11.30 | -19.95 | 8.56 | 35.08 | 11.06 | -38.89 | -15.42 | -27.39 | -36.56 | -9.30 | 29.47 |
| 084 VA7-37 | 91 | 98.04 | 98.66 | 98.59 | 98.04 | 97.82 | 98.57 | 91.35 | 95.77 | 95.57 | 91.59 | 88.92 | 95.58 | 97.17 |
| 085 VA7-38 | 91 | 97.89 | 98.91 | 98.49 | 97.91 | 97.67 | 98.25 | 93.63 | 97.56 | 97.30 | 97.34 | 95.83 | 97.57 | 96.80 |
| 086 VA7-68 | 91 | 38.68 | 42.52 | 28.54 | 17.50 | 37.84 | 45.60 | 47.43 | 10.96 | 26.99 | -4.12 | -5.72 | 51.50 | 43.02 |
| 087 VA7-37 | 91 | 41.61 | 48.82 | 28.56 | 18.22 | 38.27 | 51.21 | 55.89 | 5.58 | 32.64 | 0.19 | -8.47 | 43.77 | 45.20 |
| 088 VA7-71 | 91 | 98.74 | 99.27 | 99.37 | 99.10 | 98.81 | 98.96 | 96.78 | 98.31 | 98.24 | 94.86 | 93.52 | 98.66 | 97.96 |
| 089 VA5-5a | 91 | 96.01 | 97.40 | 95.65 | 92.43 | 93.88 | 96.96 | 89.87 | 85.51 | 92.25 | 81.14 | 77.02 | 90.16 | 94.63 |
| 090 VA5-5c | 91 | 92.68 | 93.32 | 91.73 | 86.53 | 88.86 | 94.59 | 84.22 | 72.53 | 87.35 | 66.16 | 63.50 | 83.79 | 90.66 |
| 091 VA5-5e | 91 | 97.51 | 98.51 | 97.49 | 95.54 | 96.58 | 98.37 | 96.81 | 94.55 | 96.10 | 90.31 | 90.24 | 92.98 | 97.22 |
| 092 VA5-8pre | 91 | 99.87 | 99.93 | 99.89 | 99.74 | 99.80 | 99.89 | 99.62 | 99.30 | 99.62 | 99.00 | 98.95 | 99.32 | 99.81 |
| 093 VA5-8 | 91 | 91.09 | 94.96 | 89.47 | 84.87 | 84.52 | 94.18 | 79.55 | 70.55 | 82.71 | 51.86 | 55.40 | 78.20 | 89.34 |

Anexo 3b cont.

| Nombre | Serie | ΔP% ^a | ΔP% ^b | ΔP% ^c | ΔP% ^d | ΔP% ^e | ΔP% ^f | ΔP% ^g | ΔP% ^h | ΔP% ⁱ | ΔP% ^j | ΔP% ^k | ΔP% ^l | ΔP% ^m |
|---------------------|-----------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 094 VA5-12b | 91 | 93.94 | 96.89 | 95.60 | 91.73 | 90.66 | 95.15 | 87.41 | 77.90 | 88.55 | 75.14 | 70.67 | 91.16 | 92.20 |
| 095 G-0 | 91 | 35.02 | 44.22 | 33.39 | -12.72 | 13.29 | 14.14 | 4.04 | -6.05 | -5.68 | -19.18 | -35.48 | 9.29 | 31.05 |
| 096 G-1 | 91 | -45.92 | -76.21 | -66.56 | -42.08 | -26.86 | -74.12 | -96.37 | -71.66 | -62.55 | -69.99 | -77.91 | -86.11 | -24.49 |
| 097 MBr 1 | 91 | -35.01 | -37.67 | -24.80 | -35.69 | -19.95 | -38.82 | -76.39 | -49.93 | -40.21 | -58.58 | -69.39 | -56.85 | -0.22 |
| Cadena | | | | | | | | | | | | | | |
| 098 MBr 2 | 91 | 24.34 | -12.94 | -19.57 | -20.01 | 6.37 | -38.10 | -71.03 | -37.53 | -34.37 | -36.28 | -49.29 | -49.72 | 7.84 |
| Anillo | | | | | | | | | | | | | | |
| 099 UC-244 | 91 | 35.11 | 44.78 | 45.74 | 19.66 | 26.67 | 16.73 | 18.62 | -8.58 | 4.10 | -2.57 | -17.19 | 14.43 | 33.11 |
| 100 UC-245 | 91 | 23.61 | -12.60 | -5.43 | 12.43 | 19.57 | -36.64 | -64.84 | -40.98 | -25.53 | -20.62 | -32.21 | -47.01 | 9.92 |
| 101 AG03 | 91 | 99.61 | 99.31 | 98.88 | 99.72 | 99.03 | 99.89 | 99.84 | 99.40 | 99.57 | 99.67 | 99.68 | 99.71 | 99.91 |
| 102 Ago4 | 91 | 99.14 | 97.50 | 97.21 | 99.06 | 98.50 | 99.79 | 99.69 | 98.52 | 99.01 | 99.41 | 99.43 | 99.53 | 99.87 |
| 103 Gna05 | 91 | 99.31 | 92.94 | 96.86 | 94.61 | 99.08 | 99.27 | 96.16 | 88.43 | 87.75 | 95.36 | 94.54 | 92.83 | 99.62 |
| 104 Ang5901 | 91 | 99.26 | 98.75 | 97.66 | 98.12 | 97.53 | 99.55 | 98.29 | 95.20 | 96.19 | 97.87 | 97.82 | 95.96 | 99.47 |
| 105 MJV60B | 91 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 99.99 | 99.99 | 100.00 | 99.99 | 99.99 | 99.99 | 99.98 |
| 106 BSP226C | 91 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 99.99 | 100.00 | 100.00 | 99.99 | 99.99 | 100.00 | 99.99 |
| 107 JSR137B | 91 | 100.00 | 99.99 | 100.00 |
| 108 JSR165A | 91 | 100.00 | 99.99 | 100.00 |
| 109 JDR171D | 91 | 100.00 | 99.99 | 100.00 | 99.99 | 99.99 | 100.00 | 100.00 |
| 110 CRIS44 | 91 | 100.00 | 100.00 | 99.99 | 99.99 | 100.00 | 100.00 | 99.99 | 99.98 | 99.99 | 99.99 | 99.98 | 99.94 | 99.99 |
| 111 CRIS 46 | 91 | 99.70 | 99.65 | 99.56 | 99.03 | 99.79 | 99.70 | 99.52 | 99.69 | 99.32 | 99.28 | 98.90 | 99.10 | 99.77 |
| 112 CRIS 47 | 91 | 99.56 | 99.48 | 99.43 | 98.32 | 99.68 | 99.49 | 99.38 | 99.63 | 98.86 | 99.40 | 98.92 | 98.91 | 99.67 |
| 113 CRIS 48 | 91 | 99.69 | 99.61 | 99.51 | 98.88 | 99.78 | 99.67 | 99.52 | 99.68 | 99.24 | 99.25 | 98.85 | 99.06 | 99.77 |
| 114 CRIS 49 | 91 | 99.53 | 99.42 | 99.36 | 98.06 | 99.65 | 99.46 | 99.38 | 99.61 | 98.73 | 99.38 | 98.87 | 98.87 | 99.66 |
| 115 CRIS 105 | 91 | 99.99 | 99.98 | 99.98 | 99.97 | 99.98 | 99.99 | 99.97 | 99.94 | 99.94 | 99.96 | 99.97 | 99.86 | 99.99 |
| 116 CRIS 109 | 91 | 99.99 | 99.98 | 99.99 | 99.98 | 99.99 | 99.99 | 99.98 | 99.96 | 99.97 | 99.97 | 99.97 | 99.93 | 99.99 |
| 117 CRIS 110 | 91 | 99.99 | 99.98 | 99.99 | 99.98 | 99.99 | 99.99 | 99.98 | 99.97 | 99.97 | 99.97 | 99.97 | 99.95 | 99.99 |
| 118 CRIS 111 | 91 | 99.98 | 99.98 | 99.98 | 99.96 | 99.97 | 99.99 | 99.96 | 99.89 | 99.91 | 99.94 | 99.95 | 99.88 | 99.98 |
| 119 CRIS 112 | 91 | 99.98 | 99.98 | 99.98 | 99.96 | 99.97 | 99.99 | 99.97 | 99.92 | 99.92 | 99.94 | 99.95 | 99.90 | 99.99 |
| 120 CRIS 116 | 91 | 99.98 | 99.95 | 99.96 | 99.95 | 99.97 | 99.98 | 99.94 | 99.85 | 99.88 | 99.92 | 99.93 | 99.73 | 99.98 |
| 121 CRIS 119 | 91 | 99.98 | 99.94 | 99.95 | 99.95 | 99.97 | 99.98 | 99.95 | 99.89 | 99.89 | 99.92 | 99.94 | 99.79 | 99.98 |
| 122 CRIS 130 | 91 | 99.98 | 99.95 | 99.96 | 99.95 | 99.98 | 99.98 | 99.95 | 99.89 | 99.90 | 99.92 | 99.93 | 99.80 | 99.98 |

Anexo 3b cont.

| Nombre | Serie | ΔP% ^a | ΔP% ^b | ΔP% ^c | ΔP% ^d | ΔP% ^e | ΔP% ^f | ΔP% ^g | ΔP% ^h | ΔP% ⁱ | ΔP% ^j | ΔP% ^k | ΔP% ^l | ΔP% ^m |
|--------------|-------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 123 CRIS 131 | 91 | 99.83 | 99.66 | 99.90 | 99.97 | 99.82 | 99.97 | 99.99 | 99.96 | 99.98 | 99.99 | 99.99 | 99.96 | 99.99 |
| 124 CRIS 135 | 91 | 99.99 | 99.98 | 99.98 | 99.97 | 99.99 | 99.99 | 99.98 | 99.95 | 99.95 | 99.96 | 99.97 | 99.90 | 99.99 |
| 125 CRIS 140 | 91 | 99.99 | 99.98 | 99.99 | 99.98 | 99.99 | 99.99 | 99.98 | 99.97 | 99.97 | 99.97 | 99.97 | 99.95 | 99.99 |
| 126 CRIS 135 | 91 | 99.98 | 99.98 | 99.98 | 99.97 | 99.98 | 99.99 | 99.97 | 99.92 | 99.92 | 99.94 | 99.95 | 99.91 | 99.99 |
| 127 CRIS 142 | 91 | 99.91 | 99.75 | 99.91 | 99.98 | 99.91 | 99.99 | 99.99 | 99.98 | 99.99 | 99.99 | 99.99 | 99.96 | 99.99 |
| 128 CRIS 143 | 91 | 99.93 | 99.76 | 99.92 | 99.98 | 99.93 | 99.99 | 99.99 | 99.98 | 99.99 | 99.99 | 99.99 | 99.96 | 99.99 |
| 129 CRIS 147 | 91 | 99.92 | 99.75 | 99.92 | 99.98 | 99.91 | 99.99 | 99.99 | 99.97 | 99.99 | 99.99 | 99.99 | 99.95 | 99.99 |
| 130 CRIS 148 | 91 | 99.90 | 99.75 | 99.94 | 99.99 | 99.92 | 99.99 | 99.99 | 99.99 | 99.99 | 99.99 | 99.99 | 99.98 | 99.99 |
| 131 CRIS 149 | 91 | 99.92 | 99.75 | 99.94 | 99.99 | 99.94 | 99.99 | 99.99 | 99.99 | 100.00 | 99.99 | 99.99 | 99.98 | 99.99 |
| 132 CRIS 153 | 91 | 99.79 | 99.20 | 99.79 | 99.96 | 99.82 | 99.97 | 99.98 | 99.94 | 99.98 | 99.98 | 99.98 | 99.90 | 99.99 |
| 133 Fer 10 | 91 | 85.88 | 86.48 | 78.24 | 60.70 | 77.97 | 72.45 | 75.65 | 32.86 | 56.12 | 68.09 | 61.74 | 65.15 | 83.79 |
| 134 Fer 16 | 91 | 97.69 | 97.73 | 96.86 | 93.80 | 95.18 | 96.16 | 95.15 | 89.97 | 90.91 | 95.76 | 95.26 | 95.36 | 94.41 |
| 135 Fer 19 | 91 | 97.89 | 98.13 | 96.73 | 93.64 | 95.33 | 96.77 | 95.31 | 92.81 | 91.91 | 96.01 | 96.11 | 96.26 | 94.73 |
| 136 Fer 25 | 91 | 84.30 | 83.13 | 73.14 | 49.76 | 74.39 | 68.24 | 76.66 | 33.69 | 46.98 | 68.11 | 64.43 | 65.13 | 83.68 |
| 137 Fer 26 | 91 | 85.54 | 85.88 | 72.15 | 48.83 | 75.09 | 72.69 | 76.86 | 39.28 | 51.38 | 66.43 | 66.18 | 67.44 | 84.63 |
| 138 Fer 29 | 91 | 91.82 | 91.40 | 97.16 | 92.57 | 97.66 | 96.57 | 95.13 | 97.88 | 89.48 | 94.18 | 92.08 | 91.47 | 98.27 |
| 139 Fer 32 | 91 | 99.77 | 99.77 | 99.75 | 99.54 | 99.69 | 99.84 | 99.76 | 99.52 | 99.61 | 99.60 | 99.60 | 99.24 | 99.81 |
| 140 Fer 33 | 91 | 99.79 | 99.75 | 99.75 | 99.53 | 99.72 | 99.85 | 99.74 | 99.48 | 99.60 | 99.56 | 99.51 | 99.25 | 99.81 |
| 141 SLA 32 | 91 | 98.56 | 97.90 | 98.33 | 97.90 | 98.10 | 98.12 | 98.74 | 98.89 | 97.77 | 98.21 | 97.29 | 95.69 | 97.44 |
| 142 SLA 33 | 91 | 98.64 | 98.26 | 98.88 | 98.87 | 98.52 | 98.34 | 99.04 | 99.38 | 98.80 | 98.50 | 97.76 | 97.74 | 97.47 |
| 143 AR 1 | 91 | 99.99 | 99.99 | 99.99 | 99.99 | 99.99 | 99.99 | 99.99 | 99.98 | 99.98 | 99.97 | 99.98 | 99.97 | 99.99 |
| 144 AR 2 | 91 | 99.99 | 99.99 | 99.99 | 99.99 | 99.99 | 99.99 | 99.99 | 99.98 | 99.98 | 99.97 | 99.97 | 99.97 | 99.99 |
| 145 AR 3 | 91 | 99.99 | 99.99 | 99.99 | 99.99 | 99.99 | 99.99 | 99.98 | 99.98 | 99.98 | 99.97 | 99.97 | 99.96 | 99.99 |
| 1 | 92 | 81.67 | 88.35 | 82.72 | 82.79 | 57.70 | 79.64 | 68.44 | 87.93 | 87.95 | 61.19 | 62.88 | 71.94 | 72.72 |
| 2 | 92 | -59.29 | -55.57 | -21.81 | -64.06 | -83.15 | -62.40 | -55.51 | -48.66 | -63.29 | -66.44 | -68.38 | -61.55 | -61.82 |
| 3 | 92 | -58.84 | -69.84 | -44.94 | -77.53 | -72.87 | -68.32 | -53.84 | -14.08 | -39.68 | -53.28 | -31.46 | -74.72 | -69.32 |
| 4 | 92 | 9.12 | 12.58 | 34.32 | 18.19 | -58.49 | -14.63 | 77.85 | 86.35 | 86.45 | 43.85 | 72.75 | 53.02 | 34.05 |
| 5 | 92 | 99.65 | 99.66 | 99.39 | 99.21 | 98.75 | 99.49 | 98.71 | 99.43 | 99.20 | 98.79 | 98.88 | 97.67 | 99.26 |
| 6 | 92 | 48.18 | 64.02 | 22.31 | 62.84 | -26.53 | 58.61 | 42.03 | 45.57 | 59.24 | -33.12 | -0.05 | 60.52 | 34.83 |
| 7 | 92 | 41.03 | 52.18 | 22.83 | 62.66 | -31.42 | 46.85 | 54.66 | 39.99 | 42.89 | 9.61 | 31.09 | 44.02 | 28.99 |
| 8 | 92 | -18.80 | -32.86 | -36.56 | -34.97 | -47.30 | -20.43 | -62.88 | -20.11 | -52.22 | -58.30 | -50.23 | -50.80 | -47.50 |

Anexo 3b cont.

| Nombre | Serie | ΔP% ^a | ΔP% ^b | ΔP% ^c | ΔP% ^d | ΔP% ^e | ΔP% ^f | ΔP% ^g | ΔP% ^h | ΔP% ⁱ | ΔP% ^j | ΔP% ^k | ΔP% ^l | ΔP% ^m |
|--------------|-----------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 9 | 92 | 61.90 | 73.96 | 72.48 | 71.31 | 33.42 | 64.03 | 50.47 | 85.86 | 69.10 | 46.28 | 71.27 | 63.85 | 37.23 |
| 10 | 92 | 99.60 | 99.65 | 99.33 | 99.65 | 98.26 | 99.80 | 99.38 | 98.07 | 99.22 | 99.24 | 99.10 | 98.94 | 99.58 |
| 11 | 92 | 99.51 | 99.62 | 99.05 | 99.62 | 97.81 | 99.79 | 99.39 | 98.18 | 99.22 | 99.10 | 98.62 | 99.05 | 99.52 |
| 12 | 92 | 94.13 | 96.64 | 82.25 | 95.50 | 75.23 | 98.58 | 88.84 | 87.26 | 93.37 | 73.31 | 87.73 | 74.09 | 96.88 |
| 13 | 92 | 84.78 | 92.68 | 55.76 | 89.16 | 32.03 | 96.83 | 74.80 | 73.94 | 83.35 | 30.24 | 70.47 | 47.74 | 93.16 |
| 14 | 92 | 99.70 | 99.71 | 98.90 | 99.61 | 98.75 | 99.88 | 99.54 | 99.20 | 99.69 | 99.30 | 99.27 | 97.87 | 99.81 |
| 15 | 92 | 98.25 | 98.86 | 98.02 | 97.48 | 93.82 | 98.44 | 97.14 | 95.94 | 95.86 | 94.40 | 93.64 | 93.53 | 97.64 |
| 16 | 92 | 94.69 | 98.55 | 97.19 | 95.89 | 78.75 | 96.75 | 96.48 | 95.78 | 92.84 | 91.68 | 88.83 | 94.48 | 95.51 |
| 17 | 92 | 78.77 | 61.48 | 61.52 | 80.74 | 51.74 | 63.25 | 58.81 | 23.81 | 39.71 | 7.25 | 7.79 | 57.32 | 58.81 |
| 0018a | 92 | 96.27 | 97.10 | 97.31 | 98.15 | 92.16 | 96.96 | 94.57 | 97.78 | 96.42 | 94.70 | 96.06 | 96.70 | 91.84 |
| 19 | 92 | 79.77 | 83.19 | 69.79 | 86.38 | 71.00 | 90.18 | 90.34 | 95.07 | 89.69 | 93.74 | 94.03 | 82.22 | 86.48 |
| 20 | 92 | 10.96 | -4.25 | -6.13 | -15.49 | -27.25 | -3.81 | -45.29 | 16.63 | -14.70 | -48.83 | -38.90 | -32.79 | -22.09 |
| 21 | 92 | -52.72 | -65.27 | -47.96 | -76.24 | -64.87 | -62.14 | -52.34 | -20.29 | -50.55 | -53.22 | -27.10 | -75.42 | -67.07 |
| 22 | 92 | -14.00 | -16.25 | 1.65 | -10.02 | -11.41 | -31.01 | -53.23 | -0.35 | 17.97 | -40.20 | -21.13 | -51.89 | -43.27 |
| 23 | 92 | 15.05 | 27.43 | 30.74 | 7.01 | -1.15 | -0.83 | -10.46 | 42.37 | 37.50 | 4.34 | -0.30 | -6.08 | -6.72 |
| 24 | 92 | -19.18 | -10.39 | -0.33 | -32.32 | -48.46 | -29.94 | -44.60 | -33.42 | -27.68 | -28.16 | -38.18 | -27.86 | -43.38 |
| 0025a | 92 | -0.32 | 16.78 | 18.66 | 4.02 | -21.88 | -6.51 | -18.16 | 29.23 | 31.34 | 11.84 | 7.87 | 2.52 | -26.47 |
| 0026a | 92 | -40.53 | -33.12 | -26.56 | -58.47 | -51.59 | -42.54 | -38.36 | -30.78 | -8.58 | -4.75 | -13.41 | -63.51 | -56.43 |
| 0027a | 92 | 42.66 | 56.63 | 65.88 | 55.31 | 30.13 | 35.96 | 51.00 | 80.71 | 66.64 | 63.82 | 71.39 | 60.59 | 20.91 |
| 28 | 92 | 97.11 | 95.69 | 94.09 | 95.30 | 94.27 | 96.45 | 91.05 | 97.64 | 96.56 | 96.06 | 96.19 | 92.53 | 93.96 |
| 29 | 92 | 68.16 | 37.46 | 77.33 | 88.34 | 81.23 | 1.84 | 89.07 | 91.57 | 92.48 | 82.47 | 83.94 | 78.09 | 47.66 |
| 30 | 92 | 85.13 | 54.78 | 85.18 | 79.81 | 91.59 | 33.31 | 93.96 | 93.87 | 91.18 | 86.02 | 89.31 | 81.08 | 69.67 |
| 0031a | 92 | 19.01 | 15.78 | 36.94 | 14.58 | -2.82 | 12.15 | 12.71 | 29.83 | 18.80 | 4.66 | 23.11 | 3.13 | 11.54 |
| 0031c | 92 | 5.38 | -3.64 | 2.18 | 13.29 | -23.99 | 1.17 | -21.65 | 20.16 | -13.05 | -31.68 | -22.88 | -2.30 | -22.50 |
| 32 | 92 | -42.99 | -51.79 | -36.15 | -52.13 | -63.49 | -56.64 | -66.19 | -61.55 | -65.80 | -50.37 | -54.08 | -50.83 | -69.55 |
| 0033a | 92 | 29.11 | 47.96 | 57.21 | 62.62 | 14.73 | 34.83 | 42.46 | 81.36 | 56.86 | 58.47 | 69.01 | 69.95 | -4.81 |
| 0033b | 92 | 48.99 | 85.35 | 91.00 | 94.50 | 58.52 | 55.93 | 89.86 | 96.78 | 95.70 | 89.73 | 89.64 | 93.96 | 42.11 |
| 0033c | 92 | 98.60 | 99.55 | 99.66 | 99.78 | 99.00 | 98.77 | 99.43 | 99.82 | 99.79 | 99.60 | 99.45 | 99.49 | 97.77 |
| 0034a | 92 | 94.76 | 95.05 | 93.47 | 93.20 | 95.66 | 93.33 | 93.33 | 97.03 | 96.92 | 97.08 | 94.46 | 92.27 | 94.43 |
| 0034b | 92 | 94.75 | 95.52 | 95.15 | 96.30 | 96.45 | 93.77 | 94.77 | 98.31 | 98.34 | 97.54 | 95.16 | 95.88 | 94.53 |
| 0035a | 92 | -50.18 | -64.04 | -49.91 | -81.23 | -61.65 | -32.14 | -29.23 | -21.69 | 44.88 | -99.85 | -99.94 | -30.34 | -99.30 |

Anexo 3b cont.

| Nombre | Serie | $\Delta P\%^a$ | $\Delta P\%^b$ | $\Delta P\%^c$ | $\Delta P\%^d$ | $\Delta P\%^e$ | $\Delta P\%^f$ | $\Delta P\%^g$ | $\Delta P\%^h$ | $\Delta P\%^i$ | $\Delta P\%^j$ | $\Delta P\%^k$ | $\Delta P\%^l$ | $\Delta P\%^m$ |
|-----------|-----------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 0035b | 92 | -47.90 | -56.51 | -43.40 | -69.43 | -51.15 | -29.00 | -32.86 | -11.87 | 59.83 | -99.29 | -99.82 | -33.67 | -98.98 |
| 0035c | 92 | 91.06 | 88.82 | 93.73 | 82.12 | 90.17 | 94.53 | 92.56 | 98.08 | 96.33 | -69.19 | -90.08 | 94.55 | -60.51 |
| 36 | 92 | -39.94 | -29.90 | -37.68 | -61.78 | -46.09 | -44.28 | -28.02 | -22.54 | 0.63 | -7.85 | -31.19 | -50.87 | -47.24 |
| 37 | 92 | -88.89 | -58.22 | -23.79 | -51.65 | -70.94 | -52.95 | -2.18 | 0.03 | 11.94 | -46.33 | -33.81 | -30.59 | -47.08 |
| 38 | 92 | 27.71 | 52.01 | 70.61 | 68.02 | -37.83 | 21.72 | 94.40 | 94.37 | 96.63 | 22.15 | 25.48 | 91.30 | -57.22 |
| 39 | 92 | 80.15 | 82.86 | 62.43 | 86.90 | 71.41 | 91.02 | 90.47 | 95.00 | 90.61 | 92.07 | 94.26 | 85.51 | 81.81 |
| 40 | 92 | 87.76 | 95.30 | 91.98 | 98.08 | 77.68 | 91.05 | 90.47 | 98.59 | 98.22 | 90.15 | 89.46 | 97.85 | 73.87 |
| 41 | 92 | 54.11 | 78.96 | 77.53 | 92.94 | 41.50 | 61.35 | 50.21 | 90.78 | 91.35 | 37.75 | 47.56 | 83.65 | 9.31 |
| 42 | 92 | 49.95 | 72.05 | 75.06 | 90.54 | 38.33 | 54.12 | 46.05 | 88.21 | 87.73 | 43.52 | 53.69 | 77.91 | 5.62 |
| 43 | 92 | 99.97 | 99.96 | 99.97 | 100.00 | 99.96 | 99.99 | 99.99 | 99.99 | 100.00 | 99.99 | 99.99 | 99.98 | 99.99 |
| 44 | 92 | 72.99 | 95.97 | 96.08 | 99.63 | 69.15 | 89.06 | 97.06 | 99.88 | 99.77 | 95.03 | 95.74 | 99.63 | 49.98 |
| 45 | 92 | 32.22 | 51.73 | 53.73 | 70.02 | 17.01 | 57.46 | 52.24 | 89.16 | 80.88 | 53.13 | 57.98 | 84.24 | 9.82 |
| 46 | 92 | 39.94 | 76.84 | 64.35 | 94.93 | 52.00 | 77.47 | 22.84 | 96.13 | 90.98 | 69.83 | 73.25 | 82.61 | 43.04 |
| 47 | 92 | 23.45 | 41.35 | -10.26 | 25.12 | -14.10 | 46.84 | -23.73 | 76.25 | 35.20 | 26.34 | 41.39 | 46.37 | -10.51 |
| 48 | 92 | 44.02 | 16.80 | 27.01 | 70.27 | 15.97 | 43.70 | 44.18 | 38.69 | 28.05 | -86.89 | -68.47 | 55.31 | -28.90 |
| 49 | 92 | -3.10 | -14.06 | 1.36 | 3.41 | -15.74 | -9.50 | -18.31 | 14.89 | 3.86 | -13.68 | 12.42 | -22.25 | -26.86 |
| 50 | 92 | 98.58 | 97.41 | 97.18 | 98.04 | 95.22 | 98.59 | 97.32 | 98.35 | 97.95 | 98.97 | 99.17 | 97.26 | 97.92 |
| 51 | 92 | 0.23 | 20.17 | 21.27 | 64.07 | -6.27 | -0.21 | 1.70 | 72.63 | 49.86 | 32.61 | 20.97 | 46.62 | -35.35 |

$\Delta P\%_{a,b,c,d,e,f,g,h,i,j,k,l,m}$ las letras **a-m** representan los modelos discriminantes 4.1 a 4.13 respectivamente. Los compuestos que fueron identificados (seleccionados) por todos los modelos de clasificación como promisorios analgésicos y con una probabilidad mayor que el 90 %, en todos los casos se señalado por negreta.

[Anexos](#)