



**List of  
Precursors and chemicals  
Frequently used in the illicit manufacture of narcotic  
drugs and psychotropic substances under  
International Control**

In accordance with the  
United Nations Convention against Illicit Traffic  
in Narcotic Drugs and Psychotropic Substances, 1988

Prepared by the  
**INTERNATIONAL NARCOTICS CONTROL BOARD**

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## Introduction

This list has been prepared by the International Narcotics Control Board (INCB) as a tool to be used for the identification of substances scheduled in Tables I and II of the United Nations Convention against Illicit Traffic in Narcotic Drugs and Psychotropic Substances, 1988 (1988 Convention).

All those involved with the implementation of the provisions of article 12 of the 1988 Convention, including regulatory, administrative and law enforcement authorities, will find the list helpful. For example, it will be required to complete the Board's Form D, "Annual information on substances frequently used in the illicit manufacture of narcotic drugs and psychotropic substances", as required under the provisions of article 12, paragraph 12. It will also be required by regulatory and administrative authorities to check the names of chemicals associated with, *inter alia*, applications for authorizations for export or import. Law enforcement authorities will require the information, *inter alia*, to check documentation accompanying consignments of chemicals and to further identify chemicals seized at illicit laboratories.

The list is comparable to the lists of narcotic drugs and psychotropic substances under international control, and the alphabetical listings of other names and trade names of narcotic drugs and psychotropic substances, which are published by the Board as the "Yellow List" and the "Green List", respectively.

**Part One** gives a list of those substances scheduled in Tables I and II of the 1988 Convention. The list is divided into two sections, the first listing those substances included in Table I, and the second listing those substances in Table II. English, French and Spanish names as used in the respective versions of the Tables of the 1988 Convention are given, as well as Harmonized System (HS) codes and Chemical Abstracts Service (CAS) registry numbers, to facilitate rapid identification of all scheduled substances. The full Chemical Abstracts Index name of each substance is given also for reference purposes.

**Part Two** lists in alphabetical order the chemical names, synonyms and trade names, etc., of the substances included in Part One. Although not explicitly stated in the 1988 Convention, it is understood that the name of each of those substances, as given in the Tables of the Convention, covers also all isomeric forms of the substance. Consequently, it should be noted that where a specific isomer is listed in Part Two, for example *l*-ephedrine as a synonym for ephedrine, this should not be understood to mean that only the *l*-form of ephedrine is controlled.

**Part Three** provides a table of conversion factors needed to convert quantities of scheduled substances in their salt form into quantities of pure anhydrous base.

**Regular updating of the information provided in this list, particularly that relating to the chemical names, synonyms and trade names, etc., of scheduled substances, will be necessary to ensure the effectiveness of controls. Governments are kindly requested to provide the Board with any additions and/or amendments to the information provided to ensure that this database is maintained up to date.**

**For additional synonyms, trade names, and individual monographs of the scheduled substances, Governments are referred to the "Multilingual Dictionary of Precursors and Chemicals Frequently Used in the Illicit Manufacture of Narcotic Drugs and Psychotropic Substances under International Control", produced by the Laboratory and Scientific Services of UNODC, which can be accessed at: <https://www.unodc.org/unodc/en/scientists/multilingual-dictionary-of-precursors-and-chemicals.html>.**

## PART ONE: SUBSTANCES SCHEDULED IN TABLES I AND II OF THE 1988 CONVENTION

English, French and Spanish names as used in the respective versions of Tables I and II of the 1988 Convention are given, as well as Harmonized System (HS) codes and Chemical Abstracts Service (CAS) registry numbers,<sup>1</sup> to facilitate rapid identification of all scheduled substances. Chemical Abstracts Index names are given in parentheses.

### SUBSTANCES INCLUDED IN TABLE I

<b>Acetic anhydride</b> Anhydride acétique Anhídrido acético	<b>(acetic oxide)</b> HS code: 2915.24 CAS number: 108-24-7
<b>N-Acetylanthranilic acid</b> Acide N-acétylanthranilique Acido N-acetilantranílico	<b>(benzoic acid, 2-(acetylamino)-)</b> HS code: 2924.23 CAS number: 89-52-1
<b>4-Anilino-N-phenethylpiperidine (ANPP)</b> 4-Anilino-N-phénéthylpipéridine 4-Anilino-N-fenetilpiperidina	<b>(N-phenyl-1-(2-phenylethyl)piperidin-4-amine)</b> HS code: 2933.36 CAS number: 21409-26-7
<b>tert-Butyl 4-(phenylamino)piperidine-1-carboxylate (1-boc-4-AP)<sup>2</sup></b> tert-butyl 4-(phénylamino)pipéridine-1-carboxylate 4-(fenilamino)piperidina-1-carboxilato de tert-butilo	<b>(4-(phenylamino)-1-piperidinecarboxylic acid, 1,1 dimethylethyl ester)</b> HS code: 2933.34 CAS number: 125541-22-2
<b>Ephedrine</b> Ephédrine Efedrina	<b>([R-(R*,S*)]-α-[1-(methylamino)ethyl]-benzenemethanol)</b> HS code: 2939.41 <sup>#</sup> CAS number: 299-42-3
<b>Ergometrine</b> Ergométrine Ergometrina	<b>(ergoline-8-carboxamide,9,10-didehydro-N-(2-hydroxy-1-methylethyl)-6-methyl-,[8β(S)])</b> HS code: 2939.61 CAS number: 60-79-7
<b>Ergotamine</b> Ergotamine Ergotamina	<b>(ergotaman-3',6',18'-trione, 12'-hydroxy-2'-methyl-5'-(phenylmethyl)-,(5α))</b> HS code: 2939.62 CAS number: 113-15-5
<b>Isosafrole</b> Isosafrole Isosafrol	<b>(1,3-benzodioxole,5-(1-propenyl)-)</b> HS code: 2932.91 CAS number: 120-58-1
<b>Lysergic acid</b> Acide lysergique Acido lisérgico	<b>(8β)-9,10-didehydro-6-methylergoline-8-carboxylic acid)</b> HS code: 2939.63 CAS number: 82-58-6
<b>3,4-MDP-2-P methyl glycidate<sup>3</sup></b> Méthylglycidate de 3,4-MDP-2-P 3,4-MDP-2-P-metilglicidato	<b>(2-oxiranecarboxylic acid, 3-(1,3-benzodioxol-5-yl)-2-methyl-, methyl ester)</b> HS code: 2932.99 CAS number: 13605-48-6
<b>3,4-MDP-2-P methyl glycidic acid<sup>3</sup></b> Acide méthylglycidique de 3,4-MDP-2-P Ácido 3,4-MDP-2-P-metilglicídico	<b>(2-oxiranecarboxylic acid, 3-(1,3-benzodioxol-5-yl)-2-methyl-)</b> HS code: 2932.99 CAS number: 2167189-50-4
<b>3,4-Methylenedioxyphenyl-2-propanone</b> Méthylènedioxyphényl-3,4 propanone-2 3,4-Metilendioxifenil-2-propanona	<b>(2-propanone,1-[3,4(methylenedioxy)phenyl]-)</b> HS code: 2932.92 CAS number: 4676-39-5
<b>Methyl α-phenylacetoacetate (MAPA)<sup>4</sup></b> Méthyl α-phénylacétoacétate alfa-Fenilacetoacetato de metilo (MAPA)	<b>(methyl 3-oxo-2-phenylbutanoate)</b> HS code: 2918.30 CAS number: 16648-44-5

<sup>1</sup> The CAS numbers for the salts of the substances listed are different from those given. Therefore, a substance with a CAS number that does not appear in the list may nevertheless be a scheduled substance.

<sup>2</sup> 4-AP, 1-boc-4-AP and norfentanyl were included in Table 1 of the 1988 Convention effective 23 November 2022.

<sup>3</sup> 3,4-MDP-2-P methyl glycidic acid, its methyl ester, and APAA were included in Table 1 of the 1988 Convention effective 19 November 2019.

<sup>4</sup> MAPA was included in Table 1 of the 1988 Convention effective 3 November 2020.

<b>Norephedrine</b> Norephédrine Norefedrina	<b>(R*,S*)-<math>\alpha</math>-(1-aminoethyl)benzenemethanol</b> HS code: 2939.44# CAS number: 14838-15-4
<b>Norfentanyl<sup>2</sup></b> Norfantanyl Norfantanilo	<b>(Propanamide, N-phenyl-N-4-piperidinyl-)</b> HS code: 2933.39 CAS number: 1609-66-1
<b>N-Phenethyl-4-piperidone (NPP)</b> N-Phénéthyl-4-pipéridone N-Fenetil-4-piperidona	<b>(1-(2-phenylethyl)-piperidin-4-one)</b> HS code: 2933.37 CAS number: 39742-60-4
<b>Phenylacetic acid</b> Acide phénylacétique Acido fenilacético	<b>(benzeneacetic acid)</b> HS code: 2916.34 CAS number: 103-82-2
<b><math>\alpha</math>-Phenylacetoacetamide (APAA)<sup>3</sup></b> <i>alfa</i> -fenilacetoacetamida <i>alpha</i> -phénylacétoacétamide	<b>(benzeneacetamide, <math>\alpha</math>-acetyl-)</b> HS code: 2924.29 CAS number: 4433-77-6
<b><math>\alpha</math>-Phenylacetoacetonitrile (APAAN)</b> <i>alpha</i> -Phénylacétoacétonitrile <i>alpha</i> -Fenilacetoacetonitrilo	<b>(3-oxo-2-phenylbutanenitrile)</b> HS code: 2926.40 CAS number: 4468-48-8
<b>N-Phenyl-4-piperidinamine (4-AP)<sup>2</sup></b> N-phényl-4-pipéridinamine N-fenil-4-piperidinamina	<b>(4-Piperidinamine, N-phenyl-)</b> HS code: 2933.39 CAS number: 23056-29-3
<b>1-Phenyl-2-propanone</b> Phényl-1 propanone-2 1-Fenil-2-propanona	<b>(1-phenyl-2-propanone)</b> HS code: 2914.31 CAS number: 103-79-7
<b>Piperonal</b> Pipéronal Piperonal	<b>(1,3-benzodioxole-5-carboxaldehyde)</b> HS code: 2932.93 CAS number: 120-57-0
<b>Potassium permanganate</b> Permanganate de potassium Permanganato potásico	<b>(permanganic acid (HMnO<sub>4</sub>), potassium salt)</b> HS code: 2841.61 CAS number: 7722-64-7
<b>Pseudoephedrine</b> Pseudoéphédrine Seudoefedrina	<b>([S-(R*,R*)]-<math>\alpha</math>-[1-(methylamino)ethyl]-benzenemethanol)</b> HS code: 2939.42# CAS number: 90-82-4
<b>Safrole</b> Safrole Safrol	<b>(1,3-benzodioxole,5-(2-propenyl)-)</b> HS code: 2932.94 CAS number: 94-59-7

The salts of the substances listed in this Table whenever the existence of such salts is possible.

# Since January 2017, the World Customs Organization's *Harmonized System (HS) Nomenclature* includes new code numbers for pharmaceutical preparations containing ephedrine, pseudoephedrine and norephedrine, as follows:

- 3003.41 – Containing ephedrine or its salts
- 3003.42 – Containing pseudoephedrine (INN) or its salts
- 3003.43 – Containing norephedrine or its salts
- (Note: subheading 3003 concerns medications in bulk)
- 3004.41 – Containing ephedrine or its salts
- 3004.42 – Containing pseudoephedrine (INN) or its salts
- 3004.43 – Containing norephedrine or its salts
- (Note: subheading 3004 concerns retail medications)

SUBSTANCES INCLUDED IN TABLE II

<p><b>Acetone</b>  <b>Acétone</b>  <b>Acetona</b></p>	<p><b>(2-propanone)</b>                      HS code: 2914.11 CAS number: 67-64-1</p>
<p><b>Anthranilic acid</b>  <b>Acide anthranilique</b>  <b>Acido antranílico</b></p>	<p><b>(2-aminobenzoic acid)</b>                      HS code: 2922.43 CAS number: 118-92-3</p>
<p><b>Ethyl ether</b>  <b>Ether éthylique</b>  <b>Eter etílico</b></p>	<p><b>(1,1'-oxybis[ethane])</b>                      HS code: 2909.11 CAS number: 60-29-7</p>
<p><b>Hydrochloric acid<sup>5</sup></b>  <b>Acide chlorhydrique</b>  <b>Acido clorhídrico</b></p>	<p><b>(hydrochloric acid)</b>                      HS code: 2806.10 CAS number: 7647-01-0</p>
<p><b>Methyl ethyl ketone</b>  <b>Méthyléthylcétone</b>  <b>Metiletilcetona</b></p>	<p><b>(2-butanone)</b>                      HS code: 2914.12 CAS number: 78-93-3</p>
<p><b>Piperidine</b>  <b>Pipéridine</b>  <b>Piperidina</b></p>	<p><b>(piperidine)</b>                      HS code: 2933.32 CAS number: 110-89-4</p>
<p><b>Sulphuric acid<sup>5</sup></b>  <b>Acide sulfurique</b>  <b>Acido sulfúrico</b></p>	<p><b>(sulfuric acid)</b>                      HS code: 2807.00 CAS number: 7664-93-9</p>
<p><b>Toluene</b>  <b>Toluène</b>  <b>Tolueno</b></p>	<p><b>(benzene, methyl-)</b>                      HS code: 2902.30 CAS number: 108-88-3</p>

The salts of the substances listed in this Table whenever the existence of such salts is possible.

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<sup>5</sup> The salts of hydrochloric acid and sulphuric acid are specifically excluded from Table II.

## **PART TWO: CHEMICAL NAMES, SYNONYMS AND TRADE NAMES, ETC., OF SCHEDULED SUBSTANCES AND THEIR SALTS, IN ALPHABETICAL ORDER**

The names of substances as given in the 1988 Convention are printed in **bold type**. They are accompanied by a reference to whether the related substances are scheduled in Table I or Table II of the 1988 Convention, as detailed in PART ONE.

Listed chemical names, synonyms and trade names apply sometimes to pure substances and sometimes to the salts of those substances. In all such cases, reference is made to the substance name as given in PART ONE. Commercial products identified by their trade names usually contain a scheduled substance mixed with one or more other ingredients. As indicated in the Introduction it is understood that the names of the substances, as given in the Tables of the Convention, cover all isomeric forms of the substances.

The list does not assume to be comprehensive. The absence of any chemical name, synonym or trade name, etc., for a scheduled substance does not necessarily mean that the substance with that name is not under international control. Further, it should be noted that the same name, particularly common or trade names, may be used for different substances in different countries. In cases where ambiguity may occur, it is recommended that the name of the substance in question should always be checked against the chemical designation or formula.

All chemical names, synonyms and trade names are listed alphabetically wherever possible. Chemical names with a prefix are included at the respective alphabetical position of the substance itself. Thus, for example,

*N*-acetylamino benzoic acid is listed under “a”,  
*tert*-butyl 4-(phenylamino)piperidine-1-carboxylate is listed under “b”,  
*trans*-ephedrine is listed under “e”,  
D-lysergic acid is listed under “l”,  
1,2-methylenedioxy-4-allyl-benzene is listed under “m”,  
*alpha*-phenylacetoacetamide is listed under “p”,  
(+)-pseudoephedrine is listed under “p”, and  
 $\alpha$ -toluic acid is listed under “t”, etc.

**Name**

*N*-AAA  
 2-Acetamidobenzoic acid  
 o-Acetamidobenzoic acid  
 ortho-Acetamidobenzoic acid  
 Acetanhydride  
 Acetic acid, anhydride  
**Acetic anhydride**  
 Acetic oxide  
 Aceton, -a, -e, -um  
*alpha*-Aceto-*alpha*-cyanotoluene  
**Acetone**  
 Acétone  
 Acetonersatz  
 Acetylbenzene  
 5-Acetyl-1,3-benzodioxole  
 1-(Acetyl)-3,4-methylenedioxybenzene  
 Acetyl acetate  
*N*-Acetylaminobenzoic acid  
 2-Acetylaminobenzoic acid  
 o-Acetylaminobenzoic acid  
 1-Acetyl-amino-2-carboxybenzene  
 Acetyl anhydride  
***N*-Acetylanthranilic acid**  
 α-Acetylbenzene acetmide  
 2-Acetyl-benzeneacetoneitrile  
 Acetyl ether  
 Acetyl oxide  
*alpha*-Acetyl phenylacetoneitrile  
 2-Acetyl-2-phenylacetoneitrile  
 α-Acetyl-α-toluamide  
*alpha*-Acetyl-*alpha*-tolunitrile  
 Acide *N*-acétylanthranilique  
 Acide 2-aminobenzöique  
 Acide o-aminobenzöique  
 Acide anthranilique  
 Acide benzéne acétique  
 Acide chlorhydrique  
 Acide ergoline-8β-carboxylique, didéhydro  
 -9,10-méthyl-6-  
 Acide indolo (4,3-fg)-quinoline, ergoline-8-carboxylique  
 Acide lysergique  
 Acide lysergique 2-hydroxy-1-méthyléthylamide  
 Acide lysergique 2-propanolamide  
 Acide méthylglycidique de 3,4-MDP-2-P  
 Acide phénylacétique  
 Acide sulfurique  
 Acide α-toluique  
 Acido *N*-acetilantranílico  
 Acido orto-aminobenzoico  
 Acido antranílico  
 Acido bencenoacetico  
 Acido clorhidrico  
 Acido fenilacético  
 Acido lisérgico  
 Ácido 3,4-MDP-2-P-metilglicídico  
 Acido piroacetico  
 Acido sulfúrico  
 Acido α-toloico  
 Acidum hydrochloricum (concentratum)  
 Actifed  
 Acutrim  
 Adiret  
 Aether anaestheticus  
 Afrinol  
 Allent

**Substance**

*N*-Acetylanthranilic acid  
*N*-Acetylanthranilic acid  
*N*-Acetylanthranilic acid  
*N*-Acetylanthranilic acid  
 Acetic anhydride  
 Acetic anhydride  
**see Table I**  
 Acetic anhydride  
 Acetone  
*alpha*-Phenylacetoacetoneitrile  
**see Table II**  
 Acetone  
 Methyl ethyl ketone  
 1-Phenyl-2-propanone  
 3,4-Methylenedioxyphenyl-2-propanone  
 3,4-Methylenedioxyphenyl-2-propanone  
 Acetic anhydride  
*N*-Acetylanthranilic acid  
*N*-Acetylanthranilic acid  
*N*-Acetylanthranilic acid  
*N*-Acetylanthranilic acid  
 Acetic anhydride  
**see Table I**  
*alpha*-Phenylacetoacetamide  
*alpha*-Phenylacetoacetoneitrile  
 Acetic anhydride  
 Acetic anhydride  
*alpha*-Phenylacetoacetoneitrile  
*alpha*-Phenylacetoacetoneitrile  
*alpha*-Phenylacetoacetamide  
*alpha*-Phenylacetoacetoneitrile  
*N*-Acetylanthranilic acid  
 Anthranilic acid  
 Anthranilic acid  
 Anthranilic acid  
 Phenylacetic acid  
 Hydrochloric acid  
  
 Lysergic acid  
 Lysergic acid  
 Lysergic acid  
 Ergometrine  
 Ergometrine  
 3,4-MDP-2-P methyl glycidic acid  
 Phenylacetic acid  
 Sulphuric acid  
 Phenylacetic acid  
*N*-Acetylanthranilic acid  
 Anthranilic acid  
 Anthranilic acid  
 Phenylacetic acid  
 Hydrochloric acid  
 Phenylacetic acid  
 Lysergic acid  
 3,4-MDP-2-P methyl glycidic acid  
 Acetone  
 Sulphuric acid  
 Phenylacetic acid  
 Hydrochloric acid  
 Pseudoephedrine  
 Norephedrine  
 Norephedrine  
 Ethyl ether  
 Pseudoephedrine  
 Pseudoephedrine

<i>Name</i>	<i>Substance</i>
5-Allyl-1,3-benzodioxole	Safrole
Allylcatechol methylene ether	Safrole
Allyldioxybenzene methylene ether	Safrole
1-Allyl-3,4-methylenedioxybenzene	Safrole
4-Allyl-1,2-methylenedioxybenzene	Safrole
<i>m</i> -Allylpyrocatechin methylene ether	Safrole
4-Allylpyrocatechol formaldehyde acetal	Safrole
Allylpyrocatechol methylene ether	Safrole
Ambenyl-D	Pseudoephedrine
Amfed TD	Norephedrine
2-Aminobenzoic acid	Anthranilic acid
<i>o</i> -Aminobenzoic acid	Anthranilic acid
ortho-Aminobenzoic acid	Anthranilic acid
1-Amino-2-carboxybenzene	Anthranilic acid
$\alpha$ -(1-Aminoethyl) benzylalcohol	Norephedrine
4-Aminophenyl-1-phenethylpiperidine	4-Anilino- <i>N</i> -phenethylpiperidine
2-Amino-1-phenyl-1-propanol	Norephedrine
Anaesthetic ether	Ethyl ether
4-ANBocP	<i>tert</i> -Butyl 4-(phenylamino)piperidine-1-carboxylate
Anesthesia ether	Ethyl ether
Anhídrido acético	Acetic anhydride
Anhídrido etanoico	Acetic anhydride
Anhydride acétique	Acetic anhydride
Anhydride éthanoïque	Acetic anhydride
4-Anilino-1-boc-piperidine	<i>tert</i> -Butyl 4-(phenylamino)piperidine-1-carboxylate
4-Anilino- <i>N</i> -fenetilpiperidina	4-Anilino- <i>N</i> -phenethylpiperidine
4-Anilino-1-phenethylpiperidine	4-Anilino- <i>N</i> -phenethylpiperidine
4-Anilino-1-(2-phenethyl)piperidine	4-Anilino- <i>N</i> -phenethylpiperidine
4-Anilino-1-( $\beta$ -phenethyl)piperidine	4-Anilino- <i>N</i> -phenethylpiperidine
<b>4-Anilino-<i>N</i>-phenethylpiperidine</b>	<b>see Table I</b>
4-Anilino- <i>N</i> -phénéthylpipéridine	4-Anilino- <i>N</i> -phenethylpiperidine
4-Anilinopiperidine	<i>N</i> -Phenyl-4-piperidinamine
ANPP	4-Anilino- <i>N</i> -phenethylpiperidine
4-ANPP	4-Anilino- <i>N</i> -phenethylpiperidine
<b>Anthranilic acid</b>	<b>see Table II</b>
<i>o</i> -Anthranilic acid	Anthranilic acid
Anthranilic acid, <i>N</i> -acetyl	<i>N</i> -Acetylanthranilic acid
Antisal 1A	Toluene
APAA	<i>alpha</i> -Phenylacetoacetamide
APAAN	<i>alpha</i> -Phenylacetoacetone nitrile
Appedrine	Norephedrine
Arconovina	Ergometrine
Astmaphedrine	Ephedrine
Atridine	Pseudoephedrine
Avetol	Ergotamine
Azacyclohexane	Piperidine
Azijnzuur anhydride	Acetic anhydride
BMK	1-Phenyl-2-propanone
BMK intermediate B	<i>alpha</i> -Phenylacetoacetamide
Basergin, -e	Ergometrine
Bellergal	Ergotamine
Benafed	Pseudoephedrine
Benazma	Pseudoephedrine
Benylin	Pseudoephedrine
Benzeneacetamide, $\alpha$ -acetyl	<i>alpha</i> -Phenylacetoacetamide
Benzeneacetamide, <i>alpha</i> -acetyl	<i>alpha</i> -Phenylacetoacetamide
Benzeneacetic acid	Phenylacetic acid
Benzeneacetic acid, <i>alpha</i> -acetyl, methyl ester	methyl <i>alpha</i> -phenylacetoacetate
Benzeneacetonitrile, <i>alpha</i> -acetyl	<i>alpha</i> -Phenylacetoacetone nitrile
Benzene, 4-allyl-1,2-(methylenedioxy)	Safrole
Benzenemethanol, $\alpha$ -[1-(methylamino)ethyl]-, [R-(R*,S*)]-	Ephedrine
Benzenemethanol, $\alpha$ -[1-(methylamino)ethyl]-, [S-(R*,R*)]-	Pseudoephedrine
Benzene, methyl-	Toluene



<i>Name</i>	<i>Substance</i>
Benzene-1,2-(methylenedioxy)-4-allyl-	Safrole
Benzene-1,2-(methylenedioxy)-4-propenyl-	Isosafrole
1,3-Benzodioxal-5-yl-propan-2-one	3,4-Methylenedioxyphenyl-2-propanone
1,3-Benzodioxole-5-carbaldehyde	Piperonal
1,3-Benzodioxole-5-carboxaldehyde	Piperonal
1,3-Benzodioxole, 5-(1-propenyl)-	Isosafrole
1,3-Benzodioxole, 5-(2-propenyl)-	Safrole
3-(Benzo[ <i>d</i> ][1,3]dioxol-5-yl)-2-methyloxirane-2-carboxylic acid	3,4-MDP-2-P methyl glycidic acid
3-(2H-1,3-Benzodioxol-5-yl)-2-methyloxirane-2-carboxylic acid	3,4-MDP-2-P methyl glycidic acid
3-(1,3-Benzodioxol-5-yl)-2-methyl-2-oxiranecarboxylic acid	3,4-MDP-2-P methyl glycidic acid
3-(1,3-Benzodioxol-5-yl)-2-methyl-2-oxiranecarboxylic acid, methyl ester	3,4-MDP-2-P methyl glycidate
1-(1,3-Benzodioxol-5-yl)-2-propanone	3,4-Methylenedioxyphenyl-2-propanone
1-(1,3-Benzodioxol-5-yl)-propan-2-one	3,4-Methylenedioxyphenyl-2-propanone
Benzoic acid, 2-(acetylamino)-	<i>N</i> -Acetylanthranilic acid
<i>N</i> -(5-(Benzyl-10b-hydroxy-2-methyl)-3,6-dioxoperhydro-oxazolo-(3,2-a)-pyrrolo(2,1c)pyrazin-2-yl)- <i>D</i> -lysergamide	Ergotamine
5'-Benzyl-12'-hydroxy-2'-methylergotaman-3',6',18-trione	Ergotamine
Benzyl methyl ketone	1-Phenyl-2-propanone
Biophedrin	Ephedrine
BMK	1-Phenyl-2-propanone
BMK intermediate B	<i>alpha</i> -Phenylacetoacetamide
1-Boc-4-anilinopiperidine	<i>tert</i> -Butyl 4-(phenylamino)piperidine-1-carboxylate
Boc-4-AP	<i>tert</i> -Butyl 4-(phenylamino)piperidine-1-carboxylate
<i>N</i> -Boc-4-AP	<i>tert</i> -Butyl 4-(phenylamino)piperidine-1-carboxylate
1-Boc-4-(phenylamino)piperidine	<i>tert</i> -Butyl 4-(phenylamino)piperidine-1-carboxylate
BOV	Sulphuric acid
Brexin	Pseudoephedrine
Butane-2-one	Methyl ethyl ketone
Butanone	Methyl ethyl ketone
Butanone-2	Methyl ethyl ketone
2-Butanone	Methyl ethyl ketone
3-Butanone	Methyl ethyl ketone
<i>tert</i> -Butyl 4-anilinopiperidine-1-carboxylate	<i>tert</i> -Butyl 4-(phenylamino)piperidine-1-carboxylate
<b><i>tert</i>-Butyl 4-(phenylamino)piperidine-1-carboxylate</b>	<b>see Table I</b>
Cafergot	Ergotamine
Cairox	Potassium permanganate
Caniphedrin, -e	Ephedrine
2-Carboxyacetanilide	<i>N</i> -Acetylanthranilic acid
Carboxyanilin, -e	Anthranilic acid
2-Carboxyanilin, -e	Anthranilic acid
<i>o</i> -Carboxyaniline	Anthranilic acid
ortho-Carboxyaniline	Anthranilic acid
Cenafed	Pseudoephedrine
Cetona	Acetone
Chameleon mineral	Potassium permanganate
Cheston	Pseudoephedrine
Chlorhydric acid	Hydrochloric acid
Chlorowodor	Hydrochloric acid
Chlor-trimeton Decongestant	Pseudoephedrine
CI 77755	Potassium permanganate
Coldecon	Norephedrine
Condy's crystals	Potassium permanganate
Congestac	Pseudoephedrine
Congesteze	Pseudoephedrine
Control	Norephedrine

<i>Name</i>	<i>Substance</i>
Cornocentin, -e	Ergometrine
Cornutamin	Ergotamine
Co-Tylenol	Pseudoephedrine
CP-25	Toluene
Cryovinal	Ergometrine
1-Cyano-1-phenyl-2-propanone	<i>alpha</i> -Phenylacetoacetonitrile
Cyclopentimine	Piperidine
Cypentyl	Piperidine
DAM-57	Lysergic acid
Daycare	Pseudoephedrine
Decofed	Pseudoephedrine
Deconamine	Pseudoephedrine
Decongestant Syrup	Pseudoephedrine
Depropionyl fentanyl	4-Anilino- <i>N</i> -phenethylpiperidine
Despropionyl fentanyl	4-Anilino- <i>N</i> -phenethylpiperidine
Despropionyl norfentanyl	<i>N</i> -Phenyl-4-piperidinamine
Dex-A-Diet	Norephedrine
Dexatrim	Norephedrine
Dextrolysergic acid levo-2-propanolamine	Ergometrine
D-Feda	Pseudoephedrine
Diadax	Norephedrine
9,10-Didehydro- <i>N</i> -(2-hydroxy-1-methylethyl)-6-methylergoline-8 $\beta$ -carboxamide	Ergometrine
9,10-Didehydro- <i>N</i> -[( <i>S</i> )-2-hydroxy-1-methylethyl]-6-methylergoline-8 $\beta$ -carboxamide	Ergometrine
[8 $\beta$ ( <i>S</i> )]-9,10-Didehydro- <i>N</i> -(2-hydroxy-1-methylethyl)-6-methylergoline-8 $\beta$ -carboxamide	Ergometrine
9,10-Didehydro-6-methylergoline-8 $\beta$ -carboxylic acid	Lysergic acid
(8 $\beta$ )-9,10-Didehydro-6-methylergoline-8-carboxylic acid	Lysergic acid
Diethoxyethane	Ethyl ether
Diethyl ether	Ethyl ether
Diethyl oxide	Ethyl ether
Diet Plan with Diadax	Norephedrine
Diet Aid	Norephedrine
3,4-Dihydroxybenzaldehyde methylene ketal	Piperonal
Dimacol	Pseudoephedrine
Diméthylcétal	Acetone
Diméthylcétone	Acetone
3,4-Dimethylenedioxybenzaldehyde	Piperonal
1,1-Dimethylethyl 4-(phenylamino)-1-piperidinecarboxylate	<i>tert</i> -Butyl 4-(phenylamino)piperidine-1-carboxylate
Diméthylformaldéhyde	Acetone
Dimethylketone	Acetone
Dioxyde d'éthyle	Ethyl ether
Dioxymethyleneprotocatechuic aldehyde	Piperonal
Dipping acid	Sulphuric acid
Disophrol	Pseudoephedrine
Dorcol	Pseudoephedrine
Drixora	Pseudoephedrine
Drixoral	Pseudoephedrine
Dwuetylowy eter	Ethyl ether
Eciphin	Ephedrine
Ectasule-minus	Ephedrine
Efedrin, -a, -e	Ephedrine
Efedron	Ephedrine
Efetonina	Ephedrine
Effergot	Ergotamine
Eggophedrin, -e	Ephedrine
Elton	Pseudoephedrine
Emprazil	Pseudoephedrine
Endrine	Ephedrine
Ephedral	Ephedrine
Ephedrate	Ephedrine
Ephedremal	Ephedrine

<i>Name</i>	<i>Substance</i>
Ephedrin, -a, -e, -um	Ephedrine
(-)-Ephedrin, -e	Ephedrine
<b>Ephedrine</b>	<b>see Table I</b>
Ephédrine	Ephedrine
l-Ephedrin, -e	Ephedrine
l(-)-Ephedrine	Ephedrine
(-)-(1R,2S)-Ephedrine	Ephedrine
(-)-erythro-Ephedrine	Ephedrine
1(R),2(S)-erythro-(-)-Ephedrine	Ephedrine
trans-Ephedrine	Pseudoephedrine
dl-Ephedrinum	Ephedrine
Ephedrital	Ephedrine
Ephedrivo	Ephedrine
Ephedrol	Ephedrine
Ephedronguent	Ephedrine
Ephedrosan	Ephedrine
Ephedrosst	Ephedrine
Ephedrotal	Ephedrine
Ephedsol	Ephedrine
Ephetonin, -e	Ephedrine
Ephoxamin	Ephedrine
Ergam	Ergotamine
Ergate	Ergotamine
Ergkatal	Ergotamine
Ergine	Lysergic acid
Ergoatetrine	Ergometrine
Ergobasine	Ergometrine
Ergocaf	Ergotamine
Ergo Caffein	Ergotamine
Ergofar	Ergometrine
Ergoklinine	Ergometrine
Ergoline-8 $\beta$ -carboxamide, 9,10 didehydro- <i>N</i> -(2-hydroxy-1-methylethyl)-6-methyl-, [8 $\beta$ (S)]	Ergometrine
Ergoline-8 $\beta$ -carboxylic acid, 9,10-didehydro-6-methyl-	Lysergic acid
Ergomal	Ergometrine
Ergomar	Ergotamine
Ergomar "Nordson"	Ergometrine
Ergomed	Ergometrine
Ergomet	Ergometrine
Ergometrin, -a, -i, -um	Ergometrine
<b>Ergometrine</b>	<b>see Table I</b>
Ergométrine	Ergometrine
Ergometrinin, -e	Ergometrine
Ergonine	Ergometrine
Ergonovin, -e, -um	Ergometrine
Ergostabil	Ergometrine
Ergostat	Ergotamine
Ergostetrine	Ergometrine
Ergotaman-3',6',18'-trione,12'-hydroxy-2'-methyl-5'-(phenylmethyl)-,(5' $\alpha$ )	Ergotamine
Ergotamin, -a, -i, -um	Ergotamine
<b>Ergotamine</b>	<b>see Table I</b>
Ergotaminine	Ergotamine
Ergotan	Ergotamine
Ergotan-A	Ergotamine
Ergotartrat	Ergotamine
Ergotatropin	Ergotamine
Ergotocine	Ergometrine
Ergoton-A	Ergotamine
Ergoton-B	Ergometrine
Ergotrate	Ergometrine
Ermalate	Ergometrine
Ermetrin, -e	Ergometrine
Esprit pyroligneux	Acetone
Etér etílico	Ethyl ether

**Name****Substance**

Eter sulfurico	Ethyl ether
Ethane,1,1'-oxybis-	Ethyl ether
Ethane oxyéthane	Ethyl ether
Ethanoic acid anhydride	Acetic anhydride
Ethanoic anhydrate	Acetic anhydride
Ethanoic anhydride	Acetic anhydride
Ether	Ethyl ether
Ether éthylique	Ethyl ether
Ether pro narcosi	Ethyl ether
Ether sulfurique	Ethyl ether
Ethoxyethane	Ethyl ether
<b>Ethyl ether</b>	<b>see Table II</b>
Ethyl methyl ketone	Methyl ethyl ketone
Ethyl oxide	Ethyl ether
Etin	Ergotamine
Exmigra	Ergotamine
Exmigrex	Ergotamine
Fasupond	Norephedrine
Feda	Pseudoephedrine
D-Feda	Pseudoephedrine
Fedahist	Pseudoephedrine
Fedrazil	Pseudoephedrine
Fedrine	Ephedrine
Fema No. 2878	Phenylacetic acid
Femergin	Ergotamine
<i>N</i> -Fenetil-4-piperidona	<i>N</i> -phenethyl-4-piperidone
<i>alfa</i> -Fenilacetoacetamida	<i>alpha</i> -Phenylacetoacetamide
$\alpha$ -Fenilacetoacetonitrilo	<i>alpha</i> -Phenylacetoacetonitrile
Fenilpropanolamina	Norephedrine
1-Fenil-2-propanona	1-Phenyl-2-propanone
Fentanyl impurity B	Norfentanyl
First Sign	Pseudoephedrine
5-Formylbenzodioxole	Piperonal
5-Formyl-1,3-benzodioxole	Piperonal
Fugoa	Norephedrine
Fugoa N	Norephedrine
Galpseud	Pseudoephedrine
Geliotropin	Piperonal
Glycidic acid, 2-methyl-3-[3,4-(methylenedioxy)phenyl]-	3,4-MDP-2-P methyl glycidic acid
Glycidic acid, 2-methyl-3-[3,4-(methylenedioxy)phenyl]-, methyl ester	3,4-MDP-2-P methyl glycidate
Gotamine	Ergotamine
Gynergen	Ergotamine
Halin	Pseudoephedrine
Halofed	Pseudoephedrine
Heliotropin, -e	Piperonal
Help	Norephehrine
Hemogen	Ergometrine
4,6,6a,7,8,9-Hexahydro-7-methylindole[4,3-fg]quinoline-9-carboxylic acid	Lysergic acid
(6aR,9R)-4,6,6a,7,8,9-Hexahydro- <i>N</i> -[(2S)-1-hydroxyprop-2-yl]-7-methyl-indolo[4,3-fg]quinoline-9-carboxamide	Ergometrine
Hexahydropyridin, -e	Piperidine
Hexazane	Piperidine
Histalet	Pseudoephedrine
<b>Hydrochloric acid</b>	<b>see Table II</b>
Hydrochloride acid	Hydrochloric acid
Hydrogen chloride (aqueous)	Hydrochloric acid
Hydroot	Sulphuric acid
1-Hydroxy-2-methylamino-1-phenylpropane	Ephedrine
$\alpha$ -Hydroxy- $\beta$ -methylaminopropylbenzene	Ephedrine
	Pseudoephedrine
Hydroxymethylethyllysergamide	Ergometrine
<i>N</i> -[1-(Hydroxymethyl)ethyl]- <i>D</i> -lysergamide	Ergometrine
<i>N</i> -(2-Hydroxy-1-methylethyl)- <i>D</i> (+)-lysergamide	Ergometrine

<i>Name</i>	<i>Substance</i>
<i>N</i> -[( <i>S</i> )-2-Hydroxy-1-methylethyl]lysergamide	Ergometrine
<i>N</i> -[( <i>S</i> )-2-Hydroxy-1-methylethyl]- <i>D</i> -lysergamide	Ergometrine
<i>N</i> -[ $\alpha$ -(Hydroxymethyl)ethyl]- <i>D</i> -lysergamide	Ergometrine
( $\alpha$ R, $\beta$ R)- $\beta$ -Hydroxy- $\alpha$ -methylphenethyl- <i>N</i> -methylammonium chloride	Pseudoephedrine
(+)-( $\alpha$ S, $\beta$ S)- $\beta$ -Hydroxy- $\alpha$ -methylphenethyl- <i>N</i> -methylammonium chloride	Pseudoephedrine
12'-Hydroxy-2'-methyl-5' $\alpha$ -(phenylmethyl)-ergotaman-3',6',18-trione	Ergotamine
12'-Hydroxy-2'-methyl-3',6',18-trioxo-5-benzylergotaman	Ergotamine
(5' <i>S</i> )-12'-Hydroxy-2'-methyl-3',6',18-trioxo-5-benzylergotaman-(+)-	Ergotamine
(-)-(1 <i>R</i> ,2 <i>S</i> )- <i>N</i> -(1-Hydroxy-1-phenylprop-2-yl)- <i>N</i> -methylammonium HCl	Ephedrine
Hydroxypropyllysergamide	Ergometrine
(+)- <i>N</i> -[(2 <i>S</i> )-1-Hydroxyprop-2-yl]- <i>D</i> -lysergamide	Ergometrine
Indolo-(4,3- <i>fg</i> )-quinoline, ergotamin-3',6',18-trione	Ergotamine
Intensin	Pseudoephedrine
IPK-1	3,4-MDP-2-P methyl glycidate
IPK-2	3,4-MDP-2-P methyl glycidic acid, sodium salt
I-Sedrin	Ephedrine
Isoclor	Pseudoephedrine
Isoephedrine	Pseudoephedrine
<i>d</i> -Isoephedrine	Pseudoephedrine
Isofedrin	Pseudoephedrine
Isofedrol	Ephedrine
Isolysergic acid	Lysergic acid
Iso-phedrizem	Ephedrine
Isosafrol	Isosafrole
<b>Isosafrole</b>	<b>see Table I</b>
Kalii Permanganas	Potassium permanganate
Kaliumpermanganat	Potassium permanganate
Ketobutan	Methyl ethyl ketone
3-Keto-2-phenyl-butynamide	<i>alpha</i> -Phenylacetoacetamide
3-Keto-2-phenylbutyric acid methyl ester	methyl <i>alpha</i> -phenylacetoacetate
$\beta$ -Ketonepropane	Acetone
$\beta$ -Ketopropane	Acetone
Kontexin	Norephedrine
Kratedyn	Ephedrine
Kronofed-A	Pseudoephedrine
Lantrate	Ergotamine
Lexofedrin	Ephedrine
Lexophedrine	Ephedrine
Linctifed	Pseudoephedrine
Lingraine	Ergotamine
Lingrän	Ergotamine
Lingrene	Ergotamine
<b>Lysergic acid</b>	<b>see Table I</b>
<i>D</i> -Lysergic acid	Lysergic acid
(+)-Lysergic acid	Lysergic acid
<i>D</i> (+)-Lysergic acid	Lysergic acid
<i>D</i> (+)-Lysergic acid- $\beta$ -hydroxyisopropylamide	Ergometrine
<i>D</i> -Lysergic acid 1-(hydroxymethyl)ethylamide	Ergometrine
<i>D</i> -Lysergic acid 2-hydroxy-1-methylethylamide	Ergometrine
<i>D</i> -Lysergic acid-1,2-propanolamide	Ergometrine
Margonovine	Ergometrine
Matting acid	Sulphuric acid
Maxiphed	Pseudoephedrine
MDP2P	3,4-Methylenedioxyphenyl-2-propanone
3,4-MDP-2-P	3,4-Methylenedioxyphenyl-2-propanone
<b>3,4-MDP-2-P methyl glycidate</b>	<b>see Table I</b>
<b>3,4-MDP-2-P methyl glycidic acid</b>	<b>see Table I</b>
3,4-MDP-2-P-metilglicidato	3,4-MDP-2-P methyl glycidate
MEC	Methyl ethyl ketone
Medihaler-Ergotamine	Ergotamine

**Name**

MEETCO  
 MEK  
 Methacid, -e  
 Methane, phenyl-  
 Methyl acetone  
 Methyl  $\alpha$ -acetylphenylacetate  
 Methyl *alpha*-acetylphenylacetate  
**Methyl *alpha*-phenylacetoacetate**  
 [R-(R\*,S\*)]- $\alpha$ -[1-(Methylamino)ethyl]benzenemethanol  
 [S-(R\*,R\*)]- $\alpha$ -[1-(Methylamino)ethyl]benzenemethanol  
 $\alpha$ -[1-(Methylamino)ethyl]benzene methanol  
  
 $\alpha$ -[1-(Methylamino)ethyl]benzyl alcohol  
  
 1- $\alpha$ -[1-(Methylamino)ethyl]benzyl alcohol  
 dl- $\alpha$ -[1-(Methylamino)ethyl]benzyl alcohol  
 2-Methylamino-1-phenyl-1-propanol  
  
 2-Methylamino-1-phenylpropan-1-ol  
 2-Methylamino-1-phenylpropanol  
 (1R,2S)-2-Methylamino-1-phenyl-1-propanol  
 (1R,2S)-2-Methylamino-1-phenylpropan-1-ol  
 (+)-2-Methylamino-1-phenylpropan-1-ol  
 (+)-(1S,2R)-2-(Methylamino)-1-phenyl-1-propanol  
 (+)-(1S,2S)-2-(Methylamino)-1-phenylpropan-1-ol  
 DL-threo-2-(Methylamino)-1-phenylpropan-1-ol  
 Methylbenzene  
 Methyl 3-(benzo[*d*][1,3]dioxol-5-yl)-2-methyloxirane-2-carboxylate  
 Methyl 3-(1,3-benzodioxol-5-yl)-2-methyl-2-oxiranecarboxylate  
 Methylbenzol  
 Methyl benzyl ketone  
 Methyl ketone  
 1,2-Methylenedioxy-4-allyl-benzene  
 3,4-Methylenedioxy-allylbenzene  
 3,4-(Methylenedioxy)benzaldehyde  
 3,4-Methylenedioxybenzyl methyl ketone  
 3,4-Methylenedioxy-4-(isopropenyl)-benzene  
 3,4-Methylenedioxyphenylacetone  
 3-[3',4'-(Methylenedioxy)phenyl]-2-methyl glycidic acid  
**3,4-Methylenedioxyphenyl-2-propanone**  
 1-(3,4-Methylenedioxyphenyl)-2-propanone  
 Méthylènedioxy-3,4-phényl propanone-2  
 1,2-(Methylenedioxy)-4-propenylbenzene  
 1,2-(Methylenedioxy)-4-propen-2-ylbenzene  
 3,4-(Methylenedioxy)-1-propenylbenzene  
 Méthyléthylcétone  
**Methyl ethyl ketone**  
 Méthylglycidate de 3,4-MDP-2-P  
 Methyl 3-[3',4'-(methylenedioxy)phenyl]-2-methyl glycidate  
 2-Methyl-3-(3,4-methylenedioxy)phenyl-2-oxiranecarboxylic acid  
 2-Methyl-3-(3,4-methylenedioxy)phenyl-2-oxiranecarboxylic acid, methyl ester  
 N-Methylnorephedrine  
 Methyl 3-oxo-2-phenylbutanoate  
 Methyl 3-oxo-2-phenylbutyrate  
 Methyl 2-phenylacetoacetate  
**Methyl *alpha*-phenylacetoacetate**  
 Methyl piperonyl ketone  
 3,4-Metilendioxifenil-2-propanona  
 Metiletilcetona  
 Metriclavin, -e

**Substance**

Methyl ethyl ketone  
 Methyl ethyl ketone  
 Toluene  
 Toluene  
 Methyl ethyl ketone  
 methyl *alpha*-phenylacetoacetate  
 methyl *alpha*-phenylacetoacetate  
**see Table I**  
 Ephedrine  
 Pseudoephedrine  
 Ephedrine  
 Pseudoephedrine  
 Ephedrine  
 Pseudoephedrine  
 Ephedrine  
 Ephedrine  
 Ephedrine  
 Pseudoephedrine  
 Ephedrine  
 Ephedrine  
 Ephedrine  
 Pseudoephedrine  
 Pseudoephedrine  
 Pseudoephedrine  
 Pseudoephedrine  
 Toluene  
  
 3,4-MDP-2-P methyl glycidate  
  
 3,4-MDP-2-P methyl glycidate  
 Toluene  
 1-Phenyl-2-propanone  
 Acetone  
 Safrole  
 Safrole  
 Piperonal  
 3,4-Methylenedioxyphenyl-2-propanone  
 Isosafrole  
 3,4-Methylenedioxyphenyl-2-propanone  
 3,4-MDP-2-P methyl glycidic acid  
**see Table I**  
 3,4-Methylenedioxyphenyl-2-propanone  
 3,4-Methylenedioxyphenyl-2-propanone  
 Isosafrole  
 Isosafrole  
 Isosafrole  
 Methyl ethyl ketone  
**see Table II**  
 3,4-MDP-2-P methyl glycidate  
  
 3,4-MDP-2-P methyl glycidate  
  
 3,4-MDP-2-P methyl glycidic acid  
  
 3,4-MDP-2-P methyl glycidate  
 Ephedrine  
 methyl *alpha*-phenylacetoacetate  
 methyl *alpha*-phenylacetoacetate  
 methyl *alpha*-phenylacetoacetate  
**see Table I**  
 3,4-Methylenedioxyphenyl-2-propanone  
 3,4-Methylenedioxyphenyl-2-propanone  
 Methyl ethyl ketone  
 Ergometrine

<i>Name</i>	<i>Substance</i>
Metrisanol	Ergometrine
Migral Rigetamine	Ergotamine
Migretamine	Ergotamine
Migril	Ergotamine
Migwell	Ergotamine
Minims ephedrine (hydrochloride)	Ephedrine
MMDMG	3,4-MDP-2-P methyl glycidate
Monydrin	Norephedrine
Mucorama	Norephedrine
Muriatic acid	Hydrochloric acid
Mydriatin	Norephedrine
Myfedrine	Pseudoephedrine
Naldegesic	Pseudoephedrine
Narixan	Pseudoephedrine
Nasa-12	Pseudoephedrine
Nasol	Ephedrine
NCI-CO1730	Anthranilic acid
NCI-CO7272	Toluene
NCI-C55652	Ephedrine
Neo-ergotin	Ergotamine
Neofed	Pseudoephedrine
Neofemergen	Ergometrine
Nordhausen acid	Sulphuric acid
<b>Norephedrine</b>	<b>See Table I</b>
<b>Norfentanyl</b>	<b>See Table I</b>
Neo-Femergen	Ergometrine
Novafed 120	Pseudoephedrine
Novahistine	Pseudoephedrine
Novergo	Ergometrine
NPP	<i>N</i> -phenethyl-4-piperidone
NSC 80678	<i>N</i> -Phenyl-4-piperidinamine
NSC 89293	Norfentanyl
Obestat	Norephedrine
Octowy bezwodnik	Acetic anhydride
Oil of Vitriol	Sulphuric acid
Oranyl	Pseudoephedrine
Otrinol	Pseudoephedrine
3-Oxapentane	Ethyl ether
8H-Oxazolo(3,2-a)pyrrolo(2,1-c)pyrazine, ergotam- 3',6',18-trione	Ergotamine
Oxido acetico	Acetic anhydride
Oxido de acetilo	Acetic anhydride
2-Oxiranecarboxylic acid, 3-(1,3-benzodioxol-5-yl)- 2-methyl-	3,4-MDP-2-P methyl glycidic acid
2-Oxiranecarboxylic acid, 3-(1,3-benzodioxol-5-yl)- 2-methyl-, methyl ester	3,4-MDP-2-P methyl glycidate
Oxiranecarboxylic acid, 2-methyl-3-(3,4-methylenedioxy) phenyl-	3,4-MDP-2-P methyl glycidic acid
2-Oxobutane	Methyl ethyl ketone
3-Oxo-2-phenylbutanamide	<i>alpha</i> -Phenylacetoacetamide
3-Oxo-2-phenylbutanenitrile	<i>alpha</i> -Phenylacetoacetoneitrile
3-Oxo-2-phenylbutanoic acid methyl ester	methyl <i>alpha</i> -phenylacetoacetate
3-Oxo-2-phenylbutyronitrile	<i>alpha</i> -Phenylacetoacetoneitrile
2-Oxo-1-phenylpropyl cyanide	<i>alpha</i> -Phenylacetoacetoneitrile
Oxybisethane	Ethyl ether
1-1'-Oxybis[ethane]	Ethyl ether
Oxyde acétique	Acetic anhydride
Oxyde acétylique	Acetic anhydride
Oxyde d'éthyle	Ethyl ether
P2P	1-Phenyl-2-propanone
PAA	Phenylacetic acid
Pandril	Ephedrine
Panergal	Ergometrine
Paragesic	Pseudoephedrine
PediaCare	Pseudoephedrine

**Name**

Pentamethyleneamine  
 Pentamethylenimin, -e  
 Perhydropyridine  
 Permanganate de potassium  
 Permanganate of potash  
 Permanganato potásico  
 Permanganic acid, potassium salt  
 Phenergan-D  
 1-Phenethyl-*N*-phenylpiperidin-4-amine  
*N*-(1-Phenethyl-piperidin-4-yl)-aniline  
 (1-Phenethyl-piperidin-4-yl)phenylamine  
 1-phenethyl-4-piperidone  
***N*-Phenethyl-4-piperidone**  
*N*-Phénéthyl-4-pipéridone  
 Phenoxine  
**Phenylacetic acid**  
 2-Phenylacetic acid  
 w-Phenylacetic acid  
 2-Phenylacetoacetamide  
 α-Phenylacetoacetamide  
***alpha*-Phenylacetoacetamide**  
*alpha*-Phénylacétoacétamide  
 2-Phenyl-acetoacetic acid amide  
 2-Phenylacetoacetic acid methyl ester  
***alpha*-Phenylacetoacetone**  
 2-Phenylacetoacetone  
 α-Phénylacétoacétonitrile  
 Phenylacetone  
 α-Phenylacetone  
 4-(Phenylamino)piperidine  
 4-(Phenylamino)-1-piperidinecarboxylic acid,  
 1,1-dimethylethyl ester  
  
 1-Phenyl-2-amino-1-propanol  
 Phenyl-drine  
 Phenylethanoic acid  
 1-(2-Phenylethyl)-4-anilinopiperidine  
 1-(2-Phenylethyl)-4-phenylaminopiperidine  
*N*-[1-(2-Phenylethyl)-4-piperidinyl]aniline  
*N*-[1-(2-Phenylethyl)-4-piperidinyl]benzenamine  
*N*-Phenylethyl-4-piperidinone  
 1-(2-phenylethyl)piperidin-4-one  
 1-(2-phenylethyl)-4-piperidone  
 1-(β-phenylethyl)-4-piperidone  
*N*-Phenylethyl-4-piperidone  
 1-Phenyl-1-hydroxy-2-methylaminopropane  
  
 Phenyl methane  
 1-Phenyl-2-methylaminopropanol  
  
 1-Phenyl-2-methylamino-1-propanol  
  
 1-Phenyl-2-methylaminopropanol-1  
 Phenylmethyl methyl ketone  
 2-Phenyl-3-oxobutyric acid methyl ester  
 1-Phenyl-2-oxopropane  
*N*-Phenyl-1-(2-phenylethyl)-4-piperidinamine  
*N*-Phenyl-1-(2-phenylethyl)piperidin-4-amine  
*N*-Phenyl-*N*'-[1-(2-phenylethyl)]-4-piperidine  
***N*-Phenyl-4-piperidinamine**  
*N*-Phenylpiperidin-4-amine  
*N*-Phenylpiperidin-4-yl-amine  
*N*-Phenyl-*N*-4-piperidinylpropanamide  
*N*-Phenyl-*N*-(4-piperidinyl)propanamide  
*N*-Phenyl-*N*-(piperidin-4-yl)propanamide

**Substance**

Piperidine  
 Piperidine  
 Piperidine  
 Potassium permanganate  
 Potassium permanganate  
 Potassium permanganate  
 Potassium permanganate  
 Pseudoephedrine  
 4-Anilino-*N*-phenethylpiperidine  
 4-Anilino-*N*-phenethylpiperidine  
 4-Anilino-*N*-phenethylpiperidine  
*N*-Phenethyl-4-piperidone  
**see Table I**  
*N*-Phenethyl-4-piperidone  
 Norephedrine  
**see Table I**  
 Phenylacetic acid  
 Phenylacetic acid  
*alpha*-Phenylacetoacetamide  
*alpha*-Phenylacetoacetamide  
**see Table I**  
*alpha*-Phenylacetoacetamide  
*alpha*-Phenylacetoacetamide  
 methyl *alpha*-phenylacetoacetate  
**see Table I**  
*alpha*-Phenylacetoacetone  
*alpha*-Phenylacetoacetone  
 1-Phenyl-2-propanone  
 1-Phenyl-2-propanone  
*N*-Phenyl-4-piperidinamine  
  
*tert*-Butyl 4-(phenylamino)piperidine-1-  
 carboxylate  
 Norephedrine  
 Norephedrine  
 Phenylacetic acid  
 4-Anilino-*N*-phenethylpiperidine  
 4-Anilino-*N*-phenethylpiperidine  
 4-Anilino-*N*-phenethylpiperidine  
 4-Anilino-*N*-phenethylpiperidine  
*N*-Phenethyl-4-piperidone  
*N*-Phenethyl-4-piperidone  
*N*-Phenethyl-4-piperidone  
*N*-Phenethyl-4-piperidone  
*N*-Phenethyl-4-piperidone  
 Ephedrine  
 Pseudoephedrine  
 Toluene  
 Ephedrine  
 Pseudoephedrine  
 Ephedrine  
 Pseudoephedrine  
 Ephedrine  
 Ephedrine  
 1-Phenyl-2-propanone  
 methyl *alpha*-phenylacetoacetate  
 1-Phenyl-2-propanone  
 4-Anilino-*N*-phenethylpiperidine  
 4-Anilino-*N*-phenethylpiperidine  
 4-Anilino-*N*-phenethylpiperidine  
**see Table I**  
*N*-Phenyl-4-piperidinamine  
*N*-Phenyl-4-piperidinamine  
 Norfentanyl  
 Norfentanyl  
 Norfentanyl



<i>Name</i>	<i>Substance</i>
<i>N</i> -Phenyl- <i>N</i> -4-piperidinylpropionamide	Norfentanyl
<i>N</i> -Phenyl- <i>N</i> -(4-piperidinyl)propionamide	Norfentanyl
<i>N</i> -Phenyl- <i>N</i> -(piperidin-4-yl)propionamide	Norfentanyl
Phenylpropanolamine	Norephedrine
Phénylpropanolamine	Norephedrine
Phenylpropanolaminum	Norephedrine
Phenyl-2-propanone	1-Phenyl-2-propanone
Phényl-1 propanone-2	1-Phenyl-2-propanone
<b>1-Phenyl-2-propanone</b>	<b>see Table I</b>
3-Phenyl-2-propanone	1-Phenyl-2-propanone
Piperidin, -a	Piperidine
4-Piperidinamine, <i>N</i> -phenyl-	<i>N</i> -Phenyl-4-piperidinamine
4-Piperidinamine, <i>N</i> -phenyl-1-(2-phenylethyl)-	4-Anilino- <i>N</i> -phenethylpiperidine
<b>Piperidine</b>	<b>see Table II</b>
Pipéridine	Piperidine
Piperidine, 4-anilino-	<i>N</i> -Phenyl-4-piperidinamine
Piperidine, 4-anilino-1-phenethyl-	4-Anilino- <i>N</i> -phenethylpiperidine
<i>N</i> -(Piperidine-4-yl)aniline	<i>N</i> -phenyl-4-piperidinamine
<i>N</i> -Piperidine-4-yl- <i>N</i> -phenylpropionamide	Norfentanyl
<i>N</i> -4-Piperidyl-propionanilide	Norfentanyl
<b>Piperonal</b>	<b>see Table I</b>
Pipéronal	Piperonal
Piperonaldehyde	Piperonal
Piperonylaldehyde	Piperonal
Piperonyl methyl ketone	3,4-Methylenedioxyphenyl-2-propanone
PMK	3,4-Methylenedioxyphenyl-2-propanone
PMK glycidate	3,4-MDP-2-P methyl glycidate
PMK glycidic acid	3,4-MDP-2-P methyl glycidic acid
Polaramine	Pseudoephedrine
<b>Potassium permanganate</b>	<b>see Table I</b>
P2P	1-Phenyl-2-propanone
Proasthmin	Ephedrine
Procol	Norephedrine
Profedrine	Pseudoephedrine
Pronarcol	Ethyl ether
Propadrine	Norephedrine
Propagest	Norephedrine
Propanamide, <i>N</i> -phenyl- <i>N</i> -4-piperidinyl-	Norfentanyl
2-Propanon, -e	Acetone
Propanone	Acetone
Propan-2-one	Acetone
2-Propanone, 1-(1,3-benzodioxol-5-yl)-	3,4-Methylenedioxyphenyl-2-propanone
2-Propanone, 1-[3,4-(methylenedioxy)phenyl]-	3,4-Methylenedioxyphenyl-2-propanone
2-Propanone, 1-phenyl	1-Phenyl-2-propanone
5-(1-Propenyl)-1,3-benzodioxole	Isosafrole
5-(2-Propenyl)-1,3-benzodioxole	Safrole
4-Propenylcatechol methylene ether	Isosafrole
4-Propenyl-1,2-methylenedioxybenzene	Isosafrole
4-( <i>N</i> -Propionanilido)piperidine	Norfentanyl
4-( <i>N</i> -Propionylanilino)piperidine	Norfentanyl
Protocatechualdehyde methylene ether	Piperonal
Protocatechuic aldehyde methylene ether	Piperonal
<b>Pseudoephedrine</b>	<b>see Table I</b>
Pseudo-éphédrine	Pseudoephedrine
d-Pseudoephedrine	Pseudoephedrine
(+)-Pseudoephedrine	Pseudoephedrine
L-(+)-Pseudoephedrine	Pseudoephedrine
(+)-(1 <i>S</i> ,2 <i>S</i> )-Pseudoephedrine	Pseudoephedrine
Pseudoephedrine Polistirex	Pseudoephedrine
Pseudofrin	Pseudoephedrine
Pyroacetic acid	Acetone
Pyroacetic ether	Acetone
Quetena de metilo	Acetone
Racephedrine	Ephedrine
RCRA Waste Number U117	Ethyl ether

**Name**

RCRA Waste Number U141  
 RCRA Waste Number U159  
 RCRA Waste Number U203  
 RCRA Waste Number U220  
 Repedrina  
 Restaslim  
 Reukap  
 Rhinalair  
 Rhindecon  
 Rhyuno oil  
 Rigetamine  
 Rinexin  
 Robidrine  
 Robitussin  
 Rocof  
 Ro-Fedrin  
 Rondec  
 Sacietyl  
 Safrol  
**Safrole**  
 Safrole MF  
 Sal-Phedrine  
 Salzsäure  
 Samedrine  
 Sancos Co  
 Sanephedrine  
 Schwefelsäure  
 Secacornine  
 Secagyn  
 Secometrin, -e  
 Secupan  
 Seudoefedrina  
 Seudotabs  
 Shikimol, -e  
 Sinarest  
 Sine-Aid  
 Sine-Off  
 Sinufed  
 Slim Caps  
 Solvent ether  
 Spaneph  
 Spent sulfuric acid  
 Spirit of salt  
 Spirit of sulfur  
 Spray-U-Thin  
 Stay Trim  
 Sucrets  
 Sudafed  
 Sudanyl  
 Sudelix  
 Sudomyl  
 Sufedrin  
 Sufrol  
 Sulfuric acid  
 Sulfuric ether  
**Sulphuric acid**  
 Suolelix  
 Symptom 2  
 Syntometriner  
 Syrtussar  
 Takimetrin  
 TBC-5487  
 Tinaroc  
**Toluene**  
 Toluène

**Substance**

Isosafrole  
 Methyl ethyl ketone  
 Safrole  
 Toluene  
 Pseudoephedrine  
 Norephedrine  
 Ephedrine  
 Pseudoephedrine  
 Norephedrine  
 Safrole  
 Ergotamine  
 Norephedrine  
 Pseudoephedrine  
 Pseudoephedrine  
 Pseudoephedrine  
 Pseudoephedrine  
 Pseudoephedrine  
 Norephedrine  
 Safrole  
**see Table I**  
 Safrole  
 Ephedrine  
 Hydrochloric acid  
 Ephedrine  
 Pseudoephedrine  
 Ephedrine  
 Sulphuric acid  
 Ergometrine  
 Ergotamine  
 Ergometrine  
 Ergotamine  
 Pseudoephedrine  
 Pseudoephedrine  
 Safrole  
 Pseudoephedrine  
 Pseudoephedrine  
 Pseudoephedrine  
 Pseudoephedrine  
 Norephedrine  
 Ethyl ether  
 Ephedrine  
 Sulphuric acid  
 Hydrochloric acid  
 Sulphuric acid  
 Norephedrine  
 Norephedrine  
 Norephedrine  
 Pseudoephedrine  
 Pseudoephedrine  
 Pseudoephedrine  
 Pseudoephedrine  
 Pseudoephedrine  
 Sulphuric acid  
 Sulphuric acid  
 Ethyl ether  
**see Table II**  
 Pseudoephedrine  
 Pseudoephedrine  
 Ergometrine  
 Norephedrine  
 Ergometrine  
 4-Anilino-*N*-phenethylpiperidine  
 Norephedrine  
**see Table II**  
 Toluene

**Name**

Tolueno  
 $\alpha$ -Toluic acid  
Toluol  
Tolu-sol  
Toluylic acid  
 $\alpha$ -Tolylic acid  
Triocos  
Triphed  
Tusaphed  
Tussafed  
Tussifed  
Tylenol  
Unitrol  
Ursinus  
USP Fentanyl Related Compound B  
USP Fentanyl Related Compound E  
Uteron  
Vencipon  
Vitamin L  
Vitamino L1  
Vitriol brown oil  
Vitriol, oil of  
Wal-Phed  
Westrim  
Wigraine  
Zephrol

**Substance**

Toluene  
Phenylacetic acid  
Toluene  
Toluene  
Phenylacetic acid  
Phenylacetic acid  
Pseudoephedrine  
Pseudoephedrine  
Pseudoephedrine  
Pseudoephedrine  
Pseudoephedrine  
Pseudoephedrine  
Pseudoephedrine  
Pseudoephedrine  
*N*-Phenyl-4-piperidinamine  
4-Anilino-*N*-phenethylpiperidine  
Ergometrine  
Ephedrine  
Anthranilic acid  
Anthranilic acid  
Sulphuric acid  
Sulphuric acid  
Pseudoephedrine  
Norephedrine  
Ergotamine  
Ephedrine

**PART THREE: TABLE SHOWING THE PURE ANHYDROUS BASE CONTENT OF  
SOME SCHEDULED SUBSTANCES IN THEIR SALT FORM**

<b>Substance</b>	<b>Base or salt</b>	<b>Approximate pure anhydrous base content (percentage)</b>
Ephedrine	Base hemihydrate (0.5H <sub>2</sub> O)	95
	Hydrochloride	82
	Nitrate	72
	Sulphate (2 mol. base)	77
Ergometrine	Hydrochloride	90
	Maleate	74
	Oxalate	82
Ergotamine	Tartrate (2 mol. base)	81
	Hydrochloride	94
	Succinate (2 mol. base)	91
Norephedrine	Tartrate (2 mol. base)	89
	Hydrochloride	80
Piperidine	Aurichloride	20
	Bitartrate	36
	Hydrochloride	70
	Nitrate	58
	Phosphate	46
	Picrate	27
	Platinichloride (2 mol. base)	29
	Thiocyanate	59
	Pseudoephedrine	Hydrochloride
Sulphate (2 mol. base)		77

The above table of conversion factors should be used to convert quantities of scheduled substances in their salt form into quantities of pure anhydrous base.