

**SUBSTANCES INCLUDED ON THE LIMITED INTERNATIONAL SPECIAL
SURVEILLANCE LIST (ISSL)**

1. Precursors, reagents and other chemicals used in the illicit manufacture of amphetamine-type stimulants and other psychotropic substances

Substance	CAS Registry Number
Acetonitrile	[75-05-8]
Ammonia (including aqueous solutions)	[7664-41-7, 1336-21-6]
Ammonium formate	[540-69-2]
Benzaldehyde	[100-52-7]
Benzyl chloride	[100-44-7]
Benzyl cyanide	[140-29-4]
1,4-Butanediol	[110-63-4]
γ -Butyrolactone	[96-48-0]
Chloroephedrine	[110925-64-9, 1384199-95-4]
Chloropseudoephedrine	[73393-61-0, 771434-80-1]
Ethyl phenylacetate	[101-97-3]
Formamide	[75-12-7]
Formic acid	[64-18-6]
Hydriodic acid	[10034-85-2]
Hydrobromic acid	[10035-10-6]
Hypophosphorous acid	[6303-21-5]
Iodine	[7553-56-2]
Lithium aluminium hydride	[16853-85-3]

Methylamine (monomethylamine)	[74-89-5]
3,4-Methylenedioxyphenyl-2-nitropropene (3,4-MDP2NP, 3,4-MDP-2-P nitropropene)	[5438-41-5]
N-Methylformamide	[123-39-7]
Methyl phenylacetate	[101-41-7]
Nitroethane	[79-24-3]
1-Phenylacetylcarbinol	[90-63-1, 1798-60-3]
1-Phenyl-2-nitropropene (P2NP, P-2-P nitropropene)	[705-60-2]
Phosphorous (Red)	[7723-14-0]
Propiophenone (1-phenyl-1-propanone)	[93-55-0]
Tartaric acid	[87-69-4, 526-83-0]
Thionyl chloride	[7719-09-7]
o-Toluidine	[95-53-4]

2. Catalysts

Substance	CAS Registry Number
Mercuric chloride	[7487-94-7]
Palladium (in all forms) and Palladium chloride	[7440-05-3] [7647-10-1]
Platinum oxide	[1314-15-4]
Raney nickel	[7440-02-0]

3. Substances used in the illicit manufacture of synthetic narcotic drugs

Substance	CAS Registry Number
Aniline	[62-53-3]
4-Piperidone and 4-Piperidone monohydrate hydrochloride	[41661-47-6] [40064-34-4]
Propionic anhydride	[123-62-6]
Propionyl chloride	[79-03-8]
Sodium borohydride	[16940-66-2]

4. Substances used in the illicit manufacture of new psychoactive substances (NPS) including of substances recently scheduled under the United Nations Drug Control Conventions

Substance	CAS Registry Number
2-bromo-4'-chloropropiophenone*	[877-37-2]
2-bromo-4'-methoxypropiophenone**	[21086-33-9]
2-bromo-4'-methylpropiophenone***	[1451-82-7]
2-iodo-4'-methylpropiophenone***	[236117-38-7]
3'-chloropropiophenone#	[34841-35-5]
4'-chloropropiophenone*	[6285-05-8]
4'-methylpropiophenone***	[5337-93-9]
2-bromo-1-phenyl-pentan-1-one##	[49851-31-2]
Valerophenone###	[1009-14-9]

Legend: * 4-CMC (clephedrone) precursor | ** methedrone precursors | *** mephedrone precursor # 3-CMC (clophedrone) precursor | ## pentedrone precursor | ### alpha-PVP precursor

5. Chemicals used for the illicit processing of cocaine and heroin

Substance	CAS Registry Number
Acetic acid (glacial)	[64-19-7]
Acetyl chloride	[75-36-5]
Ammonium chloride	[12125-02-9]
Calcium carbonate	[471-34-1]
Calcium chloride	[10043-52-4]
Calcium hydroxide	[1305-62-0]
Calcium oxide	[1305-78-8]
Manganese dioxide	[1313-13-9]
Sodium carbonate	[497-19-8]
Sodium hydroxide	[1310-73-2]
Sodium hypochlorite	[7681-52-9, 10022-70-5]
Sodium metabisulfite	[7681-57-4]

6. Solvents used for the illicit processing of cocaine and heroin

Substance	CAS Registry Number
Benzene	[71-43-2]
Ethyl acetate	[141-78-6]
Methyl isobutyl ketone	[108-10-1]
n-Propylacetate	[109-60-4]

7.

❖ Common groups of chemically related substances

- Esters, including cyclic esters
- Acetals and ketals (including cyclic acetals and ketals)
- Glycidic acid derivatives
- Acid chlorides
- (Carbox)amides
- Carbamates
- Imines
- Oximes
- Beta-ketocarboxylic acid derivatives, such as beta-ketonitriles (cyano compounds) and beta-ketoacetamides
- Bisulfite adducts

❖ Stable chemical intermediates

- Despropionyl compounds
- Benzyl compounds
- Nor compounds

❖ Derivative/ 'immediate precursor'

Scheduled ("parent")
precursor

Ethyl phenylacetate	Phenylacetic acid
Methyl phenylacetate	Phenylacetic acid
Diethyl (phenylacetyl)propanedioate (DEPAPD) including its sodium enolate	P-2-P
P-2-P methyl glycidic acid and its salts and esters	P-2-P
P-2-P bisulfite adduct	P-2-P
alpha-Phenylacetoacetic acid (3-oxo-2-phenylbutanoic acid) and its salts and esters	P-2-P
Ethyl 3-[3',4'-methylenedioxy]phenyl]-2-methyl glycidate ("3,4-MDP-2-P ethyl glycidate")	3,4-MDP-2-P
Methyl alpha-(3,4-methylenedioxyphenyl) acetoacetate (MAMDPA)	3,4-MDP-2-P
Isopropylidene (2-(3,4-methylenedioxyphenyl)	

acetyl) malonate (IMDPAM), sodium salt

Chemical intermediate

Chloroephedrine

Chloropseudoephedrine

l-Phenylacetylcarbinol

3,4-MDP-2-P

Controlled drug or

precursor

Methamphetamine

Methamphetamine

Ephedrine, Meth-amphetamine

Derivative or chemical intermediate [CAS Registry
precursor)*

Number]

N-Boc-4-piperidone [79099-07-3]

Benzylfentanyl [1474-02-8], [5156-58-1]

Acetyl norfentanyl [22352-82-5]

Benzyl acetylfentanyl [n/a]

Despropionyl 3-methylfentanyl [144480-31-9]

3-Methyl benzylfentanyl [79278-40-3]

Despropionyl-ortho-fluorofentanyl [864422-91-3]

Despropionyl-meta-fluorofentanyl [416881-38-4]

Despropionyl-para-fluorofentanyl [122861-41-0]

Despropionyl para-fluorobenzylfentanyl [n/a]

Despropionyl ortho-methylfentanyl [28456-18-0]

2-Furanyl benzylfentanyl [497240-21-8]

Norcarfentanil [61085-87-8]

NPP, ANPP, fentanyl

Fentanyl

Acetylfentanyl

Acetylfentanyl

3-Methylfentanyl

3-Methylfentanyl

o-Fluorofentanyl

m-Fluorofentanyl**

p-Fluorofentanyl, p-

Fluorobutyrylfentanyl

p-Fluorofentanyl, p-

Fluorobutyrylfentanyl

o-Methylfentanyl**

2-Furanylfentanyl

Carfentanil

* List not exhaustive; there may be more than one end-product.

** Not under international control (status: May 2024).

8. Cutting agents, adulterants, and excipients

Substance	CAS Registry Number
Benzocaine	[94-09-7]
Caffeine	[58-08-2]
Cellulose (including microcrystalline cellulose)	[9004-34-6]
Lactose	[63-42-3; 5965-66-2]
Lidocaine	[137-58-6]
Magnesium stearate	[557-04-0]
Mannitol	[69-65-8]
Procaine	[59-46-1; 51-05-8]
Tetramisole	[5086-74-8]
Levamisole	[14769-73-4; 16595-80-5]
Dexamisole	[14769-74-5]

This is subjected to regular updates by International Narcotics Control Board (INCB). Whenever chemical included or excluded from ISSL list, no- objection needs to be issued accordingly.