

Drug Status Report

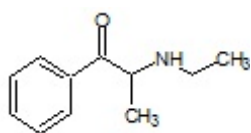
Drug: Ethcathinone

Drug Name Status: Ethcathinone is the common name.

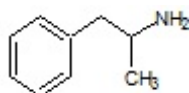
Chemical Name: 2-Ethylamino-1-phenyl-1-propanone

Other Names: Ethylaminopropiophenone

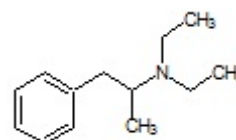
Chemical structure:



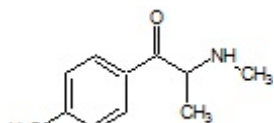
Ethcathinone



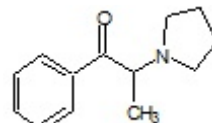
Amphetamine



Diethylpropion



4-Methylmethcathinone



Alpha-pyrrolidino-propiophenone

Molecular Formula: C₁₁H₁₅NO

Pharmacological class / Application: metabolite of diethylpropion; analogue of methcathinone; analogue of amphetamine.

International status:

US: The substance is not currently listed on the schedules to the US Controlled Substances Act and is not mentioned on the DEA website. However, as cathinone and methcathinone are listed in Schedule I, the analogue provisions of the CSA likely apply to ethcathinone.

United Nations: The substance is not listed on the Yellow List - List of Narcotic Drugs under International Control nor the Green List - List of Psychotropic Substances under International Control.

Canadian Status: This substance was reviewed previously under the name ethylaminopropiophenone. A copy of that report is appended. The review of the substance at that time focussed on its relationship to diethylpropion (structure above). It is clear that the structure of ethcathinone is substantially similar to that of amphetamine (structure above). It is

therefore an analogue of amphetamine and included in item 1 of Schedule III to the CDSA, “Amphetamines, their salts, derivatives, isomers and analogues and salts of derivatives, isomers and analogues.” Recent reviews of 4-methylmethcathinone and alpha-pyrrolidinopropiophenone (structures above) recommended that these substances be considered to be included in the listing of amphetamines as they also were analogues of amphetamine.

Recommendation: Ethcathinone is included in item 1 of Schedule III to the CDSA and is a controlled substance.

August 5, 2008

Drug Status Report

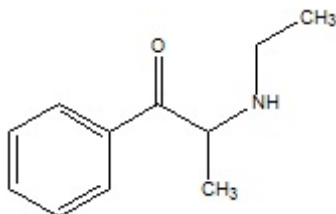
Drug: Ethylaminopropiophenone

Drug Name Status: Ethylaminopropiophenone is the common name.

Chemical Name: 2-(Ethylamino)-1-phenyl-1-propanone

Other Names: N-Ethylaminopropiophenone

Chemical structure:



Molecular Formula: C₁₁H₁₅NO

Pharmacological/chemical class / Application: metabolite of diethylpropion

International status:

US: The substance is not listed on the US Controlled Substances Act and is not mentioned on the DEA website.

United Nations: The substance is not listed on the Yellow List - List of Narcotic Drugs under International Control nor the Green List - List of Psychotropic Substances under International Control.

Canadian Status: Diethylpropion (2-(Diethylamino)propiofenone) and any salt thereof is item 4 of Schedule IV. This is the diethyl analogue of the title substance. Only the salts of diethylpropion are included in this item. Ethylaminopropiophenone is similar to other substances on the Schedules to the CDSA, particularly methcathinone - "2-methylamino-1-phenyl-1-propanone and any salt thereof" (item III, 21) and may be psychoactive. However, none of the other structurally similar substances include analogues.

Recommendation: Ethylaminopropiophenone is not included in any schedule to the CDSA and is not a controlled substance.

June 13, 2006