

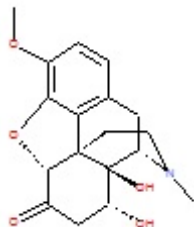
Drug Status Report

Drug: (8 β)-8,14-dihydroxydihydrocodeinone

Drug Name Status: (8 β)-8,14-dihydroxydihydrocodeinone is the common name

Chemical Name: 4,5- α -epoxy-8 β ,14-dihydroxy-3-methoxy-17-methyl-morphinan-6-one

Chemical structure:



Molecular Formula: C₁₈H₂₁NO₅

Pharmacological class / Application: Pharmaceutical-related substance

International status:

US: This substance is not currently listed on the schedules to the US Controlled Substances Act and is not mentioned on the DEA website. However the definition of narcotic drug in the CSA “(A) Opium, opiates, derivatives of opium and opiates, including their isomers, esters, ethers, salts, and salts of isomers, esters, and ethers, whenever the existence of such isomers, esters, ethers, and salts is possible within the specific chemical designation” may include this substance.

United Nations: This 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: (8 β)-8,14-dihydroxydihydrocodeinone is an intermediate in the synthesis of 14-hydroxycodeinone, which is controlled under Item 1 of Schedule I to CDSA. While 14-hydroxycodeinone is considered to be a derivative of codeine and therefore captured under the heading “Opium Poppy (*Papaver somniferum*), its preparations, derivatives, alkaloids and salts, including:”, (8 β)-8,14-dihydroxydihydrocodeinone is not strictly speaking a derivative or preparation of codeine, but rather of a process related substance of 14-hydroxycodeinone. However, the substance contains the core structural elements of the morphinans which is listed as item 10 of Schedule I to the CDSA. Accordingly, the (8 β)-8,14-dihydroxydihydrocodeinone is included under item 10 of Schedule I to the CDSA also under the heading “Morphinans, their salts, derivatives and salts of derivatives”.

Recommendation: (8 β)-8,14-dihydroxydihydrocodeinone is included under Item 10 of Schedule I to the CDSA and is a controlled substance.

July 16th, 2010.