

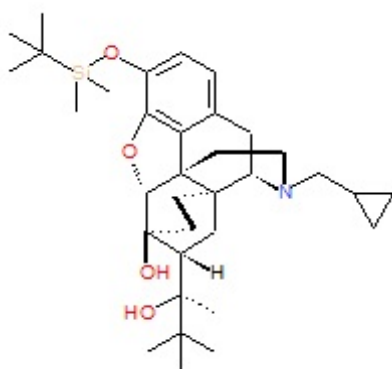
Drug Status Report

Drug: 3-O-(tert-butyldimethylsilyloxy)-6-O-desmethyl buprenorphine

Drug Name Status: 3-O-(tert-butyldimethylsilyloxy)-6-O-desmethyl buprenorphine is the common name.

Chemical Name: 5alpha,7alpha(S)]-17-(Cyclopropylmethyl)-alpha-(1,1-dimethylethyl)-3-[[[1,1-dimethylethyl)dimethylsilyl]oxy]-4,5-epoxy-18,19-dihydro-6-hydroxy-alpha-methyl-6,14-ethenomorphinan-7-methanol

Chemical structure:



Molecular Formula: $C_{34}H_{53}NO_4Si$

Pharmacological class / Application: Pharmaceutical related substance

CAS RN: 130668-49-4

International status:

US: 3-O-(tert-butyldimethylsilyloxy)-6-O-desmethyl buprenorphine is not listed specifically in the Schedules to the CSA and is not mentioned anywhere on the DEA website.

United Nations: 3-O-(tert-butyldimethylsilyloxy)-6-O-desmethyl buprenorphine 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 3-O-(tert-butyldimethylsilyloxy)-6-O-desmethyl buprenorphine is not currently listed in the CDSA. The substance is claimed to be an intermediate in the synthesis of buprenorphine, which is currently listed as item 10(1) of Schedule I to the CDSA. The substance also contains the core structure of the morphinans and therefore it must be included under item 10 of Schedule I to the CDSA under the heading "Morphinans, their salts,

derivatives and salts of derivatives including:”.

Recommendation: 3-O-(tert-butyldimethylsilyloxy)-6-O-desmethyl buprenorphine is included under item 10 of Schedule I to the CDSA and is a controlled substance.

October 7th 2010.