



STATUS DECISION OF CONTROLLED AND NON-CONTROLLED SUBSTANCE(S)

Substance: Morphine-3-sulfate

Based on the current information available to the Office of Controlled Substances, it appears that the above substance is:

Controlled	<input checked="" type="checkbox"/>
Not Controlled	<input type="checkbox"/>

under the schedules of the *Controlled Drugs and Substances Act* (CDSA) for the following reason(s):

- The substance is a derivatives of morphine and is included under item 1(3) of Schedule I to the CDSA.

Prepared by: _____
Evelyn Soo

Date: Sept 16th 2010

Verified by: _____
Marianne Tang

Date: _____

Approved by: _____
DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

Date: _____

This status was requested by: Nacer Silarbi

Drug Status Report

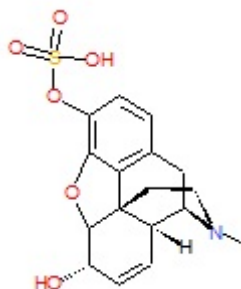
Drug: Morphine-3-sulfate

Drug Name Status: Morphine-3-sulfate is the common name.

Chemical Name: 7,8-Didehydro-4,5-epoxy-17-methyl-(5a,6a)-morphinan-3,6-diol 3-(hydrogen sulfate)

Other Names: Morphine 3-O-Sulfate

Chemical structure:



Molecular Formula: C₁₇H₁₉NO₆S

Pharmacological class / Application: Pharmaceutical-related substance

CAS-RN: 35764-55-7

International status:

US: The substance is not listed specifically in the Controlled Substances Act and is not mentioned anywhere 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: Morphine-3-sulfate is a metabolite of morphine¹ which is currently listed as item 1(3) in Schedule I to the CDSA. As a metabolite of morphine, the substance is included under the heading “Opium Poppy (*Papaver somniferum*), its preparations, derivatives, alkaloids and salts, including” of item 1 of Schedule I, as a derivative or morphine.

Recommendation: Morphine -3-sulfate is included under item 1(3) of Schedule I to the CDSA

¹Janicki, PK (1997) Pharmacology of morphine metabolites, Curr. Pain. Headache Reports, 1:264-270.

and is a controlled substance.

Date: 16 September 2010