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

Substance: 14-Methoxymetopon

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

Controlled  X
Not Controlled  

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

- The substance contains the core structure of the morphinans and must be included under item 10 of Schedule I to the CDSA.

Prepared by: ________________________________  Date: ________________

Evelyn C Soo

Verified by: ________________________________  Date: ________________

Mark Kozlowski

Approved by: ________________________________  Date: ________________

DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by:  Matt Dann, ORS
Drug Status Report

Drug: 14-Methoxymetopon

Drug Name Status: 14-Methoxymetopon is the common name.

Chemical Name: 4,5-Epoxy-3-hydroxy-14-methoxy-5,17-dimethyl-morphinan-6-one

Other Names: 5,14-O-dimethyloxymorphone; HS198

Chemical structure:

![Chemical structure of 14-Methoxymetopon]

Molecular Formula: C_{19}H_{23}NO_{4}

Pharmacological class / Application: Opioid

CAS-RN: 131575-03-6

International status:

US: 14-Methoxymetopon is not listed specifically in the Schedules to the US 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, the Green List - List of Psychotropic Substances under International Control, nor the Red List - List of Precursors and Chemicals Frequently Used in the Illicit Manufacture of Narcotic Drugs and Psychotropic Substances under International Control.

Canadian Status: 14-Methoxymetopon is not listed specifically in the Schedules to the CDSA. The substance is a potent opioid analgesic and has been reported in the scientific literature to be synthesized from 14-hydroxy-5-methylcodeinone. Metopon is currently listed as sub-item 1(20) Metopon (dihydromethylmorphinone) in Schedule I to the CDSA under the heading “Opium Poppy (Papaver somniferum), its preparations, derivatives, alkaloids and salts including”. Since 14-methoxymetopon is neither a metabolite nor synthetic derivative of metopon, it cannot be captured under sub-item 1(20) of Schedule I to the CDSA. However, 14-methoxymetopon contains the core structure of the morphinans and therefore must be included under item 10 “Morphinans, their salts, derivatives and salts of derivatives including” of Schedule I to the CDSA.
**Recommendation:** 14-Methoxymetopon is included under item 10 of Schedule I to the CDSA and is a controlled substance.

**Date:** Oct 31st, 2012.

---