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

Substance: (+)-alpha-Noracetylmethadol

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

- Controlled ✔
- Not Controlled ⬜

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

- The substance is a metabolite of acetylmethadol and included under sub-item 6(1) of Schedule I to the CDSA.

Prepared by: ________________________________ Date: December 14th 2011
Evelyn C Soo

Verified by: ________________________________ Date: __________
Mark Kozlowski

Approved by: ________________________________ Date: __________
DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by: “third party information removed as per agreement with applicant”
Drug Status Report

Drug: (+)-alpha-Noracetylmethadol

Drug Name Status: (+)-alpha-Noracetylmethadol is the common name.

Chemical Name: ((R-(R*,R*))-alpha-Ethyl-beta-(2-(methylamino)propyl)-beta-phenylbenzeneethanol acetate (ester); alpha-d-Noracetylmethadol

Chemical structure:

![Chemical structure image]

Molecular Formula: \(C_{22}H_{29}NO_2\)

Pharmacological class / Application: Pharmaceutical-related substance

CAS-RN: Unknown

International status:

US: (+)-alpha-Noracetylmethadol is not listed in 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: (+)-alpha-Noracetylmethadol is not listed specifically in the schedules to the CDSA. The substance has been reported in the literature to be a metabolite of (+)-acetylmethadol\(^1,2\), which is currently listed as sub-item 6(1) “Acetylmethadol (6-dimethylamino-4,4-diphenyl-3-heptanol acetate) in Schedule I to the CDSA under the heading “Methadols, their salts, derivatives and salts of derivatives including:”. As a metabolite of acetylmethadol, (+)-acetylmethadol must be included under sub-item 6(1) of Schedule I to the CDSA.

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\(^1\)Billings, RE et al. (1973) Metabolism of acetylmethadol. Sensitive assay for noracetylmethadol and the identification of a new active metabolite, Med Chem. 16:305-306

Recommendation: (+)-alpha-Noracetylmethadol is included under item 6(1) of Schedule I to the CDSA and is a controlled substance.

Date: December 14th, 2011