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

Substance: 3,4-Dimethylnorephedrine

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

- Controlled ☐
- Not Controlled X

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

- The analogues of norephedrine are not included under item 10 of Part 1 of Schedule VI 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: “third party information removed as per agreement with applicant”
Drug Status Report

Drug: 3,4-Dimethylnorephedrine

Drug Name Status: 3,4-Dimethylnorephedrine is the common name.

Chemical Name: 2-Amino-1-(3,4-dimethylphenyl)propanol

Other Names: 2-Amino-1-(3,4-Dimethylphenyl)propan-1-ol

Chemical structure:

\[
\begin{array}{c}
\text{OH} \\
\text{NH}_2 \\
\text{H}
\end{array}
\]

Molecular Formula: C\(_{11}\)H\(_{17}\)NO

Pharmacological class / Application: Fine chemical

CAS-RN: Unknown

International status:
US: 3,4-Dimethylnorephedrine 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: 3,4-Dimethylnorephedrine is not listed in the Schedules to the CDSA. The substance has been claimed to be a metabolite of 3,4-dimethylmethcathinone but there is currently no information in the scientific literature to show that 3,4-dimethylnorephedrine is a derivative of 3,4-dimethylmethcathinone. Norephedrine is currently listed as item 10 “Norephedrine (Phenylpropanolamine) and its salts” in Part 1 of Schedule VI to the CDSA. While 3,4-dimethylnorephedrine displays substantial structural similarity to norephedrine, the analogues of norephedrine are not captured under the item heading and therefore, 3,4-dimethylnorephedrine cannot be included under item 10 of Part 1 of Schedule VI to the CDSA.

Recommendation: 3,4-Dimethylnorephedrine is not included in the schedules to the CDSA and is not a controlled substance.

Date: November 28\(^{th}\), 2012.