Health Canada Santé Canada

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

Substance: Normetanephrine

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 epinephrine and is not similar to any of those included in the CDSA.

Prepared by: _____ Date: Jan 18th 2011

Evelyn Soo

Verified by: _____ Date: _____

Marianne Tang

Approved by: _____ Date: _____

DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by: Nacer Silarbi

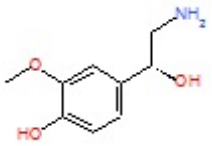
Drug Status Report

Drug: Normetanephrine

Drug Name Status: Normetanephrine is the common name.

Chemical Name: Alpha-(aminomethyl)-4-hydroxy-3-methoxy-benzenemethanol

Chemical structure:



Molecular Formula: $C_9H_{13}NO_3$

CAS-RN: 97-31-4

Pharmacological class / Application: Pharmaceutical-related substance

International status:

US: Normetanephrine is not currently listed 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: Normetanephrine is not currently listed in the CDSA. The substance is a metabolite of epinephrine[1], the status of which was reviewed earlier and which was determined not to be controlled under the CDSA. Given this, and that normetanephrine does not display any structural similarity to any of the substances included in the schedules to the CDSA, normetanephrine should not be included in any of the schedules to the CDSA.

Recommendation: Normetanephrine is not included in the schedules to the CDSA and is not a controlled substance.

Date: 18 January 2011

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[1]Yaworsky, DC. *et al.* (2005) The use of plasma metanephrine to normetanephrine ratio to determine epinephrine poisoning, Clin. Chim. Acta**, 353**:31-44.