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

Substance:  I - N-2-Hydroxyethyl norephedrine  
           II - rac-syn-N,N-Diethyl norephedrine

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 substances are derivatives of norephedrine and are not captured under item 10 of Part 1 of Schedule VI to the CDSA.

Prepared by: _______________________________ Date: June 15, 2011
Zack Li

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:** I - N-2-Hydroxyethyl norephedrine  
II - rac-syn-N,N-Diethyl norephedrine

**Drug Name Status:**  
I - N-2-Hydroxyethyl norephedrine  
II - rac-syn-N,N-Diethyl norephedrine are the common names.

**Chemical Name:**  
I - alpha-(1-(2-Hydroxyethyl)amino)ethyl)benzenemethanol  
II - (R*,R*)-alpha-(1-(Diethylamino)ethyl)benzenemethanol

**Other Names:**  
I - alpha-(1-(2-Hydroxyethyl)amino)ethyl)benzyl alcohol  
II - threo-1-Phenyl-2-dimethylamino-1-propanol

**Chemical structure:**

![Chemical structure image]

**Molecular Formula:** I - C\(_{11}\)H\(_{17}\)NO\(_2\)

**CAS-RN:** I - 63991-20-8; II - 34154-81-9

**Pharmacological class / Application:** Pharmaceutical-related substances

**International status:**

US: N-2-Hydroxyethyl norephedrine and rac-syn-N,N-diethyl norephedrine are not listed on the schedules to the US Controlled Substances Act and are not mentioned anywhere on the DEA website.

United Nations: The substances are 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: N-2-Hydroxyethyl norephedrine and rac-syn-N,N-diethyl norephedrine are derivatives or norephedrine and are not currently listed in the CDSA. “Norephedrine (Phenylpropanolamine) and its salts” is currently listed as item 10 in Part 1 of Schedule VI to the CDSA and is considered a Class A Precursor. As neither N-2-Hydroxyethyl norephedrine nor rac-syn-N,N-diethyl norephedrine are salts of norephedrine, they cannot be included under item 10 of Part 1 of Schedule VI to the CDSA. Note that the salts, isomers and deuterated forms of N-2-Hydroxyethyl norephedrine and rac-syn-N,N-diethyl norephedrine have the same status as the parent compounds.

**Recommendation:** N-2-Hydroxyethyl norephedrine and rac-syn-N,N-diethyl norephedrine are not included in the schedules to the CDSA and are not controlled substances.

**Date:** June 15, 2011