

٠



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

Substance: Norecgonine Methyl Ester

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

Controlled	\checkmark
Not Controlled	

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

The substance is an ester of norecgonine and therefore is included under norecgonine as a derivative of cocaine and controlled under item 2(2) of Schedule I to the CDSA.

Date: Oct 19 th 2010
Date:
Date:

This status was requested by:"third party information removed as per agreement with applicant"

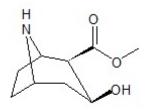
Drug Status Report

Drug: Norecgonine methyl ester

Drug Name Status: Norecgonine methyl ester is the common name.

Chemical Name: (1R,2R,3S,5S)-3-hydroxy-8-azabicyclo[3.2.1]octane-2-carboxylic acid methyl ester; 1α H, 5α H-Nortropane-2 β -carboxylic acid methyl ester; [1R-(exo,exo)-3-Hydroxy-8-Azabicyclo[3.2.1]octane-2-carboxylic acid methyl ester

Chemical structure:



Molecular Formula: C₉H₁₅NO₃

CAS-RN: 28393-47-7

Pharmacological class / Application: Derivative of cocaine

International status:

US: The substance is not currently listed on the US Controlled Substances Act and is not mentioned on the DEA website.

United Nations: The substance is not listed on the Yellow List - List of Narcotic Drugs under International Control nor the Green List - List of Psychotropic Substances under International Control.

Canadian Status: Norecgonine methyl ester is not listed specifically in the CDSA. However, norecgonine is a minor urinary metabolite of both norcocaine¹ and cocaine². Cocaine is listed as sub-item 2 under item 2 of Schedule I to the CDSA, under the heading "Coca (Erythroxylon), its

¹Misra AL et al. (1976) Disposition and metabolism of 3HCocaine in acutely and chronically treated dogs, Xenobiotica, 6:537-552.

²Misra, AL. et al. (1976) Disposition and metabolism of [3H]cocaine in acutely and chronically treated dogs, Xenobiotica, **6**:537-552.

preparations, derivatives, alkaloids and salts, including:". An earlier review of norecgonine determined that substance was included under item 2(2) of Schedule I as a derivative of cocaine. According to the UN 1961 Convention on Narcotic Drugs, the inclusion of a substance as a narcotic extends to include the corresponding esters and ethers. Therefore, norecgonine methyl ester would also be included under norecgonine and controlled under item 2(2) of Schedule I to the CDSA.

Recommendation: Norecgonine methyl ester is included under item 2(2) of Schedule I to the CDSA and is a controlled substance.

Date: 19 October 2010