

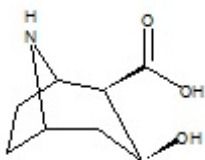
## Drug Status Report

**Drug:** Norecgonine

**Drug Name Status:** Norecgonine is the common name.

**Chemical Name:** (1R,2R,3S,5S)-3-hydroxy-8-azabicyclo[3.2.1]octane-2-carboxylic acid; 1 $\alpha$ H, 5 $\alpha$ H-Nortropine-2 $\beta$ -carboxylic acid

**Chemical structure:**



**Molecular Formula:** C<sub>8</sub>H<sub>13</sub>NO<sub>3</sub>

**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 is not listed specifically in the CDSA. However, there are reports in the scientific literature that norecgonine is a minor urinary metabolite of both norcocaine<sup>1</sup> and cocaine<sup>2</sup>. Cocaine is listed as sub-item 2 under item 2 of Schedule I to the CDSA, under the heading "Coca (Erythroxyton), its preparations, derivatives, alkaloids and salts, including:". An earlier review of norcocaine determined that substance was included under item 2(2) of Schedule I as a derivative of cocaine. Since norecgonine is a urinary metabolite of cocaine, the substance is considered to be a derivative of cocaine and therefore must be included under item 2(2) of Schedule I to the CDSA.

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

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

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

July 16<sup>th</sup> 2010.