

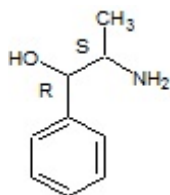
## Drug Status Report

**Drug:** (-)-Norephedrine

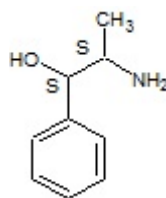
**Drug Name Status:** (-)-Norephedrine is the common name.

**Chemical Name:** (R-(R\*,S\*)))-alpha-(1-Aminoethyl)-benzenemethanol

**Chemical structure:**



(-)-  
Norephedrine



Cathine

**Molecular Formula:** C<sub>9</sub>H<sub>13</sub>NO

**Pharmacological class / Application:** fine chemical

**International status:**

US: The substance is not listed on the schedules to the US Controlled Substances Act.

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

Canadian Status: (-)-Norephedrine is similar to cathine, one of the alkaloids<sup>1</sup> found in khat. Cathine is listed as subitem 19(1) of Schedule IV to the CDSA as, "Cathine (d-threo-2-Amino-1-hydroxy-1-phenylpropane)". This listing denotes only the (S,S) isomer structure above.

Recommendation: (-)-Norephedrine is not included in the schedules to the CDSA and is not a controlled substance.

September 23, 2009

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<sup>1</sup> MJ LeBelle, G Lauriault and A Lavoie, Forensic Science International, 61, 53-64 (1993).