

## Drug Status Report

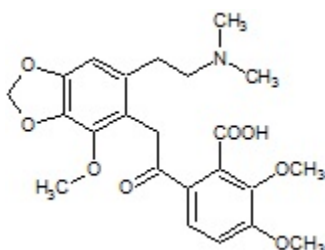
**Drug:** Narceine

**Drug Name Status:** Narceine is the common name

**Chemical Name:**

6-[[6-[2-(Dimethylamino)ethyl]-4-methoxy-1,3-benzodioxol-5-yl]acetyl]-2,3-dimethoxybenzoic acid

**Chemical structure:**



**Molecular Formula:** C<sub>23</sub>H<sub>27</sub>NO<sub>8</sub>

**Pharmacological class / Application:** opiate alkaloid

**International status:**

US: Narceine is not currently listed explicitly on the schedules to the US Controlled Substances Act and is not mentioned on the DEA website. The “analogue”, “narcotic drug” and “opiate” definitions included in the CSA likely provide for inclusion of narceine in the CSA. The DEA would need to confirm the status of narceine in the US.

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. The INCB recognizes<sup>1</sup> narceine as an alkaloid of opium but indicates it is not controlled due to its low abuse potential.

Canadian Status: Narceine is currently not listed specifically on the CDSA. Narceine is recognized as an alkaloid of opium in several scientific reports<sup>2</sup> in addition to the report from the

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<sup>1</sup> [http://www.incb.org/pdf/e/tr/nar/2000/narcotics\\_2000\\_part4\\_2.pdf](http://www.incb.org/pdf/e/tr/nar/2000/narcotics_2000_part4_2.pdf)

<sup>2</sup> Trenerry VC, Wells RJ, Robertson J. J Chromatogr A. 1995 Dec 1;718(1):217-25.  
Ayyangar NR, Bhide SR. J Chromatogr. 1988 Feb 19;436(3):455-65.  
Vincent PG, Engelke BF. J Assoc Off Anal Chem. 1979 Mar;62(2):310-4.

INCB mentioned above.

Recommendation: As an alkaloid of *Papaver somniferum*, narceine is included in item 1 of Schedule I to the CDSA and is a controlled substance.

March 5, 2007

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