Drug Status Report

**Drug:** Larocaine

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

**Chemical Name:** 1-p-aminobenzoyl-2,2-dimethyl-3-diethylaminopropanol hydrochloride

**Other Names:** Dimethocaine hydrochloride

**Chemical structure:**

![Chemical structure of Larocaine and Procaine](image)

**Molecular Formula:** $C_{16}H_{25}N_2O_2\cdot HCl$

**Pharmacological class / Application:** anaesthetic

**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: Larocaine is an esteratic local anaesthetic drug and has also been used as a topical anaesthetic in ophthalmic applications\(^1\). The substance is structurally similar to a more common anaesthetic procaine and has been reported in the scientific literature to display dopamine agonist activity and stimulant effects similar to cocaine\(^2\). However, larocaine does not fall under the heading “Coca (Erthroxylon), its preparations, derivatives, alkaloids and salts, including” of item 2 of Schedule I to the CDSA and is not structurally similar to any of the other substances in the CDSA.


Recommendation: Larocaine is not included in the Schedules to the CDSA and is not a controlled substance.

June 18th 2010