Health Canada
Santé Canada

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

Substances : Glaucine

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

Controlled	☐
Not Controlled	X

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

- The substance is not structurally similar to any of those listed in the CDSA.

Prepared by: _____ Date: _____
Vincent Marleau

Verified by: _____ Date: _____
Mark Kozlowski

Approved by: _____ Date: _____
DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

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

Drug Status Report

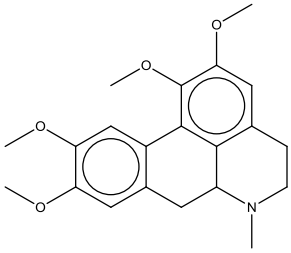
Drug: Glaucine

Drug Name Status: Glaucine is the common name.

Chemical Name: (S)-5,6,6a,7-Tetrahydro-1,2,9,10-tetramethoxy-6-methyl-4H-dibenzo(de,g)quinoline

Other Names: (S)-5,6,6a7-Tetrahydro-1,2,9,10-tetramethoxy-6-methyl-4H-dibenzo(de,g)quinoline; 1,2,9,10-Tetramethoxy-6a-alpha-aporphine; Boldine dimethyl ether; Bromcholitin; EINECS 207-501-5; Glauvent; 4H-Dibenzo(de,g)quinoline, 5,6,6a,7-tetrahydro-1,2,9,10-tetramethoxy-6-methyl-, (S)- (9CI); (S)-(+)-1,2,9,10-Tetramethoxyaporphine.

Chemical Structure:



Molecular Formula: $C_{21}H_{25}NO_4$ **CAS-RN:** 475-81-0

Pharmacological class / Application: Alkaloid

International status:
US: Glaucine is not listed specifically in the Schedules to the US *Controlled Substances Act* and is not mentioned anywhere on the DEA website.

United Nations: The substance is not listed on the Yellow List - List of Narcotic Drugs under International Control, the Green List - List of Psychotropic Substances under International Control, nor the Red List - List of Precursors and Chemicals Frequently Used in the Illicit Manufacture of Narcotic Drugs and Psychotropic Substances under International Control.

Canadian Status: Glaucine is not listed in the schedules to the CDSA. The substance is an alkaloid derived from *Glaucium flavum* and is used as an antitussive[1,2]. Glaucine is not structurally similar to any of those listed in the CDSA.

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

Date: November 5th, 2012.

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[1] Schuster, C.R. *et al*. (1982) Experimental Studies of the Abuse Potential of d,l-Glaucine. 1.5-Phosphate in Rhesus Monkeys. Pharmacology Biochemistry & Behavior, 16: pp. 851-854.
[2] Pons, R. *et al*.(2000) Effects of inhaled glaucine on pulmonary responses to antigen in sensitized guinea pigs. European Journal of Pharmacology 397(1): pp.187–195.