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

Substance: 3,4-Dihydropapaverine

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

- Controlled: X
- Not Controlled: ☐

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

- The substance is a derivative of papaverine and included under item 1 of Schedule I to the CDSA

Prepared by: ___________________________ Date: __________

Zack Li

Verified by: ___________________________ Date: __________

Mark Kozlowski

Approved by: ___________________________ Date: __________

DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by: Debbie Jang, BC Border Centre
Drug Status Report

Drug: 3,4-Dihydropapaverine

Drug Name Status: 3,4-Dihydropapaverine is the common name.

Chemical Name: 1-[(3,4-Dimethoxyphenyl)methyl]-3,4-dihydro-6,7-dimethoxyisoquinoline

Other Names: 3,4-Dihydro-6,7-dimethoxy-1-(3,4-dimethoxybenzyl)isoquinoline

Chemical structure:

![Chemical Structure](image)

Molecular Formula: C_{20}H_{23}NO_{4}

Pharmacological class / Application: Pharmaceutical-related substance

CAS-RN: 6957-27-3

International status:

US: 3,4-Dihydropapaverine 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: 3,4-Dihydropapaverine is not listed specifically in the CDSA. The substance is reported in the scientific literature to be a derivative of papaverine which is listed under the ‘but not including’ provision of Schedule I as sub-item 1(36) and is not a controlled substance. However, as the derivatives of papaverine are not mentioned in the provision, the substance is included as a derivative of papaverine under the heading “Opium Poppy (Papaver somniferum), its preparations, derivatives, alkaloids and salts including” of item 1 of Schedule I to the CDSA.

Recommendation: 3,4-Dihydropapaverine is included in item 1 of Schedule I to the CDSA and is a controlled substance.

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Date: May 31st, 2012.