



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

Substance: Tonka Beans

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

Controlled
Not Controlled

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

- The substance is not similar to any of the substances listed in the schedules to the CDSA.

Prepared by: _____
Evelyn Soo

Date: Sept 2nd 2010

Verified by: _____
Marianne Tang

Date: _____

Approved by: _____
DIRECTOR, OFFICE OF
SUBSTANCES

Date: _____
CONTROLLED

This status was requested by:

Drug Status Report

Drug: Tonka Beans

Drug Name Status: *Dipteryx odorata* is the proper name.

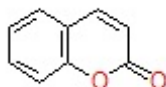
International status:

US: The substance is not listed specifically in the CSA 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:

Tonka beans are seeds of *Dipteryx odorata* and is also known commonly as Cumaru or Kumaru. The substance has been shown to consist mainly of coumarin though recent studies have also identified the presence of isoliquiritigenin, 6,4'-dihydroxy-3'-methoxyaurone, and sulfuretin, which are thought to have anticancer properties¹.



Common Name: Coumarin

Chemical Name: 2H-1-Benzopyran-2-one

Other Names: Tonka Bean Camphor; 1,2-benzopyrone; 2-oxo-1,2-benzopyran; 3-(2-hydroxyphenyl)-2-propenoic acid, delta-lactone

CAS RN: 91-64-5

Tonka bean is not currently listed in the CDSA and does not contain any substances similar to those included in the Schedules to the CDSA.

Recommendation: Tonka bean is not included in the Schedules to the CDSA and is not considered to be a controlled substance.

Date: 2 September 2010

¹Jang, DS. *et al.* (2003) Potential cancer chemopreventive constituents of the seeds of *Dipteryx odorata* (tonka bean), *J. Nat. Prod.* **66**:583-587.