



Health
Canada

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

Substance: I - Wild Klip Dagga
II - Sinichuichi

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 those listed in the CDSA.

Prepared by: _____ Date: Aug 23rd 2010
Evelyn Soo

Verified by: _____ Date: _____
Marianne Tang

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

This status was requested by: Shawna St-Phar on behalf of the CBSA

Drug Status Report

Drug: I - Wild Klip Dagga
II - Sinichuichi

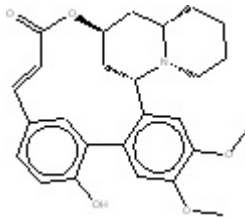
Drug Name Status: I - *Leonotis nepetifolia*
II - *Heimia salicifolia* are the proper names.

Canadian Status:

Wild Clip Dagga and Sinichuichi are claimed to be ingredients found in a smoking blend named Jamaican Gold¹ and are also brewed as teas and consumed for their stimulant properties².

Wild Clip Dagga is a plant more commonly known as *Leonotis nepetifolia*, of the *Leonotis* genus and is indigenous to tropical Africa and southern India. The plant has also been found in northeastern Brazil and shown in the scientific literature to produce cytotoxic effects³, but the bioactive constituents of the plant is not well documented.

Sinichuichi is a plant which is more commonly known as *Heimia salicifolia* and is found in Mexico and South America. The plant has been shown in the scientific literature to contain a range of alkaloids such as vertine and nesodine, which have been reported to display hydrodiuretic and antiinflammatory effects⁴. Wild Clip Dagga and Sinichuichi are not presently listed in the CDSA and in the case of sinichuichi, does not contain any substances structurally similar to those included in the Schedules to the CDSA.



Vertine

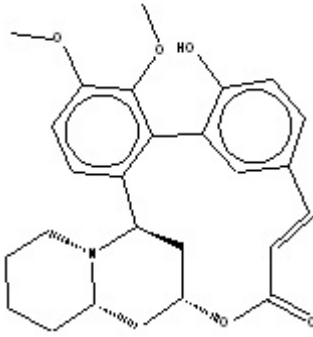
Synonyms: (10 α)-4',5''-dimethoxy-2'-hydroxylythran-12-one;
Cryogenine; (10 α)-2'-hydroxy-4',5'-dimethoxy-lythran-12-one
Molecular Formula: $H_{26}H_{29}NO_5$
CAS-RN: 10308-13-1

¹http://www.legalbuds.com/legalbud_jamaican_gold.html

²Kempf, J. *et al.* (2008) Identification of sinichuichi alkaloids in human serum after intoxication caused by oral intake of a *Heimia salicifolia* extract, *J. Forensic Sci. Int.* **179**:57-61.

³David, JP. *et al.* (2007) Radical scavenging, antioxidant and cytotoxic activity of Brazilian Caatinga plants, *Fitoterapia*, **78**:215-218.

⁴Rumalla, CS. *et al.* (2008) Alkaloids from *Heimia salicifolia*, *Phytochem.* **69**:1756-1762.

**Nesodine**

Synonyms: 2'-Hydroxy-5",6"--dimethoxylylthran-12-one

Molecular Formula: $H_{26}H_{29}NO_5$

CAS-RN: 34628-60-9

Recommendation: Wild Clip Dagga and Sinicuichi are not included in the Schedules to the CDSA and are not controlled substances.

Date: 16th August 2010