



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

Substance: 2,3-dimercapto-1-propanesulfuric acid

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 a heavy metal chelating agent and is not structurally similar to any of the substances included in the Schedules to the CDSA.

Prepared by: _____
Evelyn C Soo

Date: November 17th 2010

Verified by: _____
Marianne Tang

Date: _____

Approved by: _____
DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

Date: _____

This status was requested by: Inspectorate

Drug Status Report

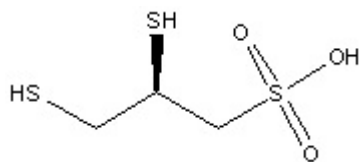
Drug: 2,3-dimercapto-1-propanesulfuric acid

Drug Name Status: 2,3-dimercapto-1-propanesulfonic acid is the common name

Chemical Name: 2,3-dimercapto-1-propanesulfonic acid

Other Names: 2,3-dimercaptopropanesulphonic acid; DMPS; Dimaval; 2,3-dimercaptopropane-1-sulfonic acid

Chemical structure:



Molecular Formula: C₃H₈O₃S₃

Pharmacological class / Application: Chelating agent

CAS-RN: 4076-02-2

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 nor the Green List - List of Psychotropic Substances under International Control.

Canadian Status: 2,3-dimercapto-1-propanesulfuric acid is more commonly known as 2,3-dimercapto-1-propanesulfonic acid or DMPS and is used as a chelating agent for the treatment of heavy metal intoxications of the nervous system¹. The substance is not currently listed in the CDSA nor similar to any of the substances included in the Schedules to the CDSA.

¹Greenhouse, AH and Glaeske CS, Neurobehavioural aspects of lead poisoning, In Handbook of Clinical Neurology: Intoxications of the nervous system, Vinken, P.J., Bruyn, GW and de Wolff, FA (Eds), 1994, Vol 64, Elsevier Science, Amsterdam, p439.

Recommendation: 2,3-dimercapto-1-propanesulfuric acid is not included in the schedules to the CDSA and is not a controlled substance.

Date: November 17th 2010