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

Substance: Thiamphenicol

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: Raymond Wong, OCS
Drug Status Report

Drug: Thiamphenicol

Drug Name Status: Thiamphenicol is the common name.

Chemical Name: 2,2-dichloro-N-(1,3-dihydroxy-1-(4-(methylsulfonyl)phenyl)propan-2-yl)acetamide

Other Names: Acetamide, 2,2-dichloro-N-(2-hydroxy-1-(hydroxymethyl)-2-(4-(methylsulfonyl)phenyl)ethyl)-, (R-(R*, R*)) - Acetamide, 2,2-dichloro-N-((1R, 2R)-2-hydroxy-1-(hydroxymethyl)-2-(4-(methylsulfonyl)phenyl)ethyl) - D-Thiocymetin; D-Thiophenicol; D-threo-2-Dichloroacetamido-1-(4-methylsulfonylphenyl) - 1,3-propanediol; D-threo-(1R, 2R)-1-(p-Methylsulfonylphenyl)-2-dichloroacetamido-1,3-propanediol; Descocin; Dexawin; Dextrosulphenidol; EINECS 239-355-3; Efnicol; Hyrazin; Igralin; Macphenicol.

Chemical structure:

Molecular Formula: C_{12}H_{15}Cl_{2}NO_{5}S  
CAS-RN: 15318-45-3

Pharmacological class / Application: Antibiotic

International status:

US: Thiamphenicol 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: Thiamphenicol is not listed in the Schedules to the CDSA. The substance is an antibiotic and immunosuppressive and is an analogue of chloramphenicol, which is listed as a Schedule F drug under the food and Drug Regulations. The substance is not structurally similar to any of those included in the Schedules to the CDSA.

Recommendation: Thiamphenicol is not included in the schedules to the CDSA and is not a controlled substance.

Date: September 24th, 2012.