



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

Substance: Methanesulfonic acid

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 the substances listed in the CDSA.

Prepared by: Evelyn C Soo Date: October 19th 2010

Verified by: Marianne Tang Date:

Approved by: DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES Date:

This status was requested by: "third party information removed as per agreement with applicant"

Drug Status Report

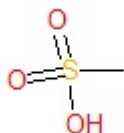
Drug: Methanesulfonic acid

Drug Name Status: Methanesulfonic acid is the common name.

Chemical Name: Methanesulfonic acid

Other Names: Methanesulphonic acid; methanesulfonate

Chemical Structure:



Molecular Formula: CH₄O₃S

CAS-RN: 75-75-2

Pharmacological class / Application: Fine chemical

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: Methanesulfonic acid is a chemical reagent that has a range of applications including its use as an electrolyte, catalyst and reagent in pharmaceutical synthesis reactions¹. The substance is not listed in the CDSA and is not structurally similar to any of those included in the Schedules to the CDSA.

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

Date: October 19th 2010

¹Shaabani, A and Ghadari, R. (2010) Direct sulfonation of methane to methanesulfonic acid, Ind. Eng. Chem. Res. **49**:7685-7686.