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

Substance: Phenylacetic acid mustard

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: “third party information removed as per agreement with applicant”.
Drug Status Report

Drug: Phenylacetic acid mustard

Drug Name Status: Phenylacetic acid mustard is the common name.

Chemical Name: 4-Bis(2-chloroethyl)aminophenylacetic acid

Other Names: 2-(4-(Bis(2-chloroethyl)amino)phenyl)acetic acid

Chemical Structure:

Molecular Formula: C_{12}H_{15}Cl_{2}NO_{2}  
CAS-RN: 10477-72-2

Pharmacological class / Application: Pharmaceutical-related substance

International status:

US: Phenylacetic acid mustard 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: Phenylacetic acid mustard is not listed in the CDSA. The substance is a metabolite of a chemotherapeutic agent, chlorambucil, which is regulated under the Food and Drug Regulations as a Schedule F drug. Phenylacetic acid mustard is also not structurally similar to any of those listed in the CDSA.

Recommendation: Phenylacetic acid mustard is not included in the Schedules to the CDSA and is not a controlled substance.

Date: June 21st, 2012.

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