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

Substance: Desmethyl dibenzimidazole

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 an impurity relating to the synthesis of telmisartan and is not structurally similar to any of those listed in the Schedules to the CDSA.

Prepared by: ________________________________ Date: ______________
Evelyn C Soo

Verified by: ________________________________ Date: ______________
Mark Kozlowski

Approved by: ________________________________ Date: ______________
DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by: Bruno Lafontaine, OCS
Drug Status Report

Drug: Desmethyl dibenzimidazole

Drug Name Status: Desmethyl dibenzimidazole is the common name.

Chemical Name: 7’-Methyl-2’propyl-1H,3’H-2,5-bibenzo[d]imidazole

Chemical structure:

![Chemical structure image]

7’-methyl-2’-propyl-1H,3’H-2,5-bibenzo[d]imidazole

Molecular Formula: C_{18}H_{18}N_{4}    CAS-RN: 88433-09-0

Pharmacological class / Application: Pharmaceutical-related substance

International status:

US: Desmethyl dibenzimidazole is not listed specifically in the Schedules to the US Controlled Substances Act and is not mentioned anywhere on US 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: Desmethyl dibenzimidazole is not listed in the schedules to the CDSA. The substance has been reported to be an impurity relating to the synthesis of telmisartan, which is a drug used to treat hypertension and currently listed under Schedule F to the Food and Drugs Regulations. The substance is not structurally similar to any of those listed in the CDSA.

Recommendation: Desmethyl dibenzimidazole is not included in the Schedules to the CDSA and is not a controlled substance.

Date: September 13th, 2012.