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

Substance: 4-Methyl-2-n-propyl-1H-benzimidazole-6-carboxylic 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 an intermediate in 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:** 4-Methyl-2-n-propyl-1H-benzimidazole-6-carboxylic acid

**Drug Name Status:** 4-Methyl-2-n-propyl-1H-benzimidazole-6-carboxylic acid is the common name.

**Chemical Name:** 4-Methyl-2-n-propyl-1H-benzimidazole-6-carboxylic acid

**Other Names:** 6-Carboxy-4-methyl-2-propylbenzimidazole; 4-Methyl-2-propyl-6-carboxylbenzimidazole; 2-Propyl-4-methyl-6-carboxyl benzimidazole; 2-N-Propyl-4-methyl-6-carboxylbenzimidazole; 2-N-Propyl-4-methyl-6-carboxy-benzimidazole; 2-Propyl-4-methyl-6-carboxyl benzimidazole 3; 1H-Benzimidazole-6-carboxylic-4-methyl-2-propyl; 1H-Benzimidazol-5-carbonsure, 7-methyl-2-propyl; 4-Methyl-2-propyl-6-benzimidazolecarboxylic acid; 2-N-Propyl-4-methylbenzimidazole-6-carboxylic acid

**Chemical structure:**

![Chemical structure image]

**Molecular Formula:** C_{12}H_{14}N_{2}O_{2}

**Pharmacological class / Application:** Pharmaceutical-related substance

**CAS-RN:** 152628-03-0

**International status:**

US: 4-Methyl-2-n-propyl-1H-benzimidazole-6-carboxylic acid 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: 4-Methyl-2-n-propyl-1H-benzimidazole-6-carboxylic acid is not listed in the schedules to the CDSA. The substance has been reported in the scientific literature to be an intermediate in the synthesis of telmisartan\(^1\), 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:** 4-Methyl-2-n-propyl-1H-benzimidazole-6-carboxylic acid is not included in the Schedules to the CDSA and is not a controlled substance.

**Date:** September 13th, 2012.

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