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

Substance: 6-(2-aminopropyl)benzofuran

Based on the current information available to the Office of Controlled Substances, it appears that the above substance is:

Controlled
Not Controlled

under the schedules of the *Controlled Drugs and Substances Act* (CDSA) for the following reason(s):

- The substance is considered to be an analogue of MDA and is included under item 1(5) of Schedule III to th CDSA.

Prepared by: _____ Date: Sept 1st 2010
Evelyn Soo

Verified by: _____ Date: _____
Marianne Tang

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

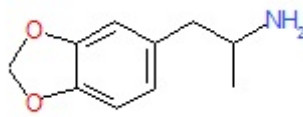
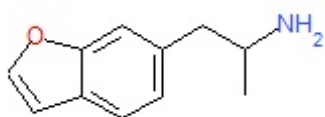
Drug: 6-(2-aminopropyl)benzofuran

Drug Name Status: 6-(2-aminopropyl)benzofuran is the common name.

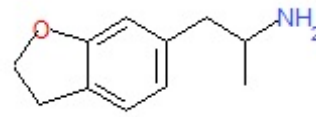
Chemical Name: 6-(2-aminopropyl)benzofuran

Other Names: 1-(1-benzofuran-6-yl)propan-2-amine; 6-APB

Chemical structure:



MDA



6-APDB

Molecular Formula: C₁₁H₁₃NO

Pharmacological class / Application: Amphetamine analogue

CAS-RN: 286834-85-3

International status:

US: The substance is not listed specifically in the CSA and is not mentioned anywhere on the DEA website. However, the substance may be considered controlled under the analogue provision of the CSA.

United Nations: The substances are not listed on the Yellow List - List of Narcotic Drugs under International Control nor the Green List - List of Psychotropic Substances under International Control.

Canadian Status: 6-(2-aminopropyl)benzofuran is not currently listed in the CDSA. However, the substance is considered to be an analogue of 3,4-methylenedioxyamphetamine (MDA) and was initially synthesized to examine its role as a serotonin (5-HT_{2C}) receptor agonist¹. MDA is listed as sub-item 5 under item 1 of Schedule III to the CDSA, under the heading "Amphetamines, their salts, derivatives, isomers and analogues and salts of derivatives, isomers and analogues including". Given that 6-(2-aminopropyl)benzofuran is

¹Briner, K. *et al.* (2006) Aminoalkylbenzofurans as serotonin (5-HT_{2C}) agonists, US Patent No. 7,045,545

substantially similar in structure to MDA, the substance is considered to be an analogue of MDA and is included under item 1(5) of Schedule III to the CDSA. Recently, the status of 6-(2-aminopropyl)-2,3-dihydrobenzofuran was reviewed and was also determined to be controlled on the basis that it is an analogue of MDA. A copy of the status report 6-(2-aminopropyl)-2,3-dihydrobenzofuran is appended.

Recommendation: 6-(2-aminopropyl)benzofuran is included under item 1(5) of Schedule III to the CDSA and is a controlled substance.

Date: 1 September 2010

Drug Status Report

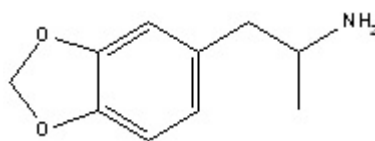
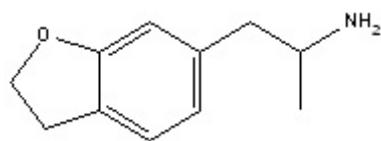
Drug: 6-(2-aminopropyl)-2,3-dihydrobenzofuran

Drug Name Status: 6-(2-aminopropyl)-2,3-dihydrobenzofuran is the common name.

Chemical Name:6-(2-aminopropyl)-2,3-dihydrobenzofuran

Other Names: 6-Nprop-dbf; 6-APDB

Chemical structure:



MDA

Molecular Formula: C₁₁H₁₅NO

CAS-RN: 152623-93-3

Pharmacological class / Application: Amphetamine analogue

International status:

US: The substance is not currently listed on the schedules to the US Controlled Substances Act and is not mentioned on the DEA website. However, 6-(2-aminopropyl)-2,3-dihydrobenzofuran is likely to be considered controlled in the US due to the analogue provisions in the CSA.

United Nations: The substance is not listed on the Yellow List - List of Narcotic Drugs under International Control nor the Green List - List of Psychotropic Substances under International Control.

Canadian Status:6-(2-aminopropyl)-2,3-dihydrobenzofuran is an analogue of 3,4-methylenedioxyamphetamine (MDA) and was initially synthesized to examine the role of the dioxole oxygen atoms of MDA in its interaction with serotonin and catecholamine uptake carriers². MDA is listed as sub-item 5 under item 1 of Schedule III to the CDSA, under the

²Monte, AP. et al. (1993) Synthesis and pharmacological examination of benzofuran, indan, and tetralin analogues of 3,4-(methylenedioxy)amphetamine, J. Med. Chem. **36**: 3700-

heading “Amphetamines, their salts, derivatives, isomers and analogues and salts of derivatives, isomers and analogues including”. Given that 6-(2-aminopropyl)-2,3-dihydrobenzofuran is an analogue of MDA, the substance must be included under item 1(5) of Schedule III to the CDSA.

Recommendation: 6-(2-aminopropyl)-2,3-dihydrobenzofuran is included under item 1(5) of Schedule III to the CDSA and is a controlled substance.

July 9th, 2010.