Health Canada
Santé Canada

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

Substance: 25I-NBOH hydrochloride

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 a salt of 4-bromo-2,5-dimethoxybenzeneethanamine and therefore is not captured under item 24 of Schedule III to the CDSA.

Prepared by: _____ Date: _____
Benoit P. Séguin

Verified by: _____ Date: _____
Mark Kozlowski

Approved by: _____ Date: _____
DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by: Matt Dann, ORS

Drug Status Report

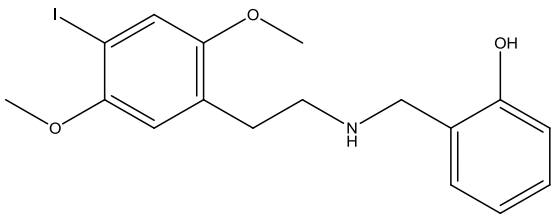
Drug: 25I-NBOH hydrochloride

Drug Name Status: 25I-NBOH hydrochloride is the common name.

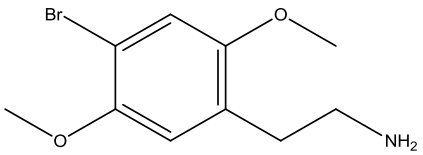
Chemical Name: 2-((2-(4-iodo-2,5-dimethoxyphenyl)ethylamino)methyl)phenol hydrochloride

Other Names: NBOH-2CI, Cimbi-27

Chemical structure:



25I-NBOH



2C-B

Molecular Formula: $C_{17}H_{20}NO_3I$

Pharmacological class / Application: Hallucinogen

CAS-RN: 919797-20-9

International status:

US: 25I-NBOH hydrochloride 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: 25I-NBOH hydrochloride is not listed in the Schedules to the CDSA. The substance is an analogue of the 2C-B phenethylamine[i] which is currently listed as item 24 "4-Bromo-2,5-dimethoxybenzeneethanamine and any salt, isomer or salt of isomer thereof" in Schedule III to the CDSA. Since the analogues of 2C-B are not captured under the item heading, 25I-NBOH and its hydrochloride cannot be included under item 24 of Schedule III to the CDSA.

Recommendation: 25I-NBOH hydrochloride is not included in the schedules to the CDSA and is not a controlled substance.

Date: November 21th, 2012

[i] Braden MR et al. (2006) Molecular Interaction of Serotonin 5-HT2A Receptor Residues Phe339(6.51) and Phe340(6.52) with Superpotent N-Benzyl Phenethylamine Agonists. Mol. Pharmacol. **70**:1956-1964.