



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

Substance: 5,6-methylenedioxy-2-aminoindan

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

Controlled [checked]
Not Controlled [unchecked]

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

- The substance is a cyclic analogue of N-methyl-3,4-methylenedioxyamphetamine (MDMA) and therefore included under item 1(9) of Schedule II to the CDSA.

Prepared by: Evelyn Soo Date: 27 July 2010

Verified by: Marianne Tang Date:

Approved by: DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES Date:

This status was requested by: DAS

## Drug Status Report

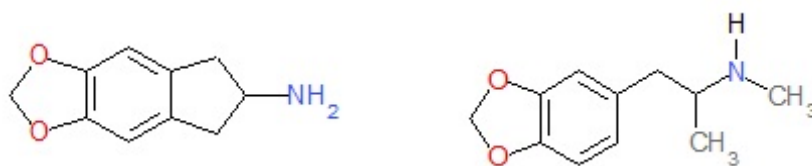
**Drug:** 5,6-methylenedioxy-2-aminoindan

**Drug Name Status:** 5,6-methylenedioxy-2-aminoindan is the common name.

**Chemical Name:** 6,7-dihydro-5H-indeno(5,6-d)-1,3-dioxol-6-amine

**Other Names:** MDAI

**Chemical structure:**



**MDMA**

**Molecular Formula:** C<sub>10</sub>H<sub>11</sub>NO<sub>2</sub>

**Pharmacological class / Application:** entactogen; psychoactive

**CAS-RN:** 132741-81-2

**International status:**

**US:** The substance is not listed specifically in the CSA 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 nor the Green List - List of Psychotropic Substances under International Control.

**Canadian Status:** 5,6-methylenedioxy-2-aminoindan is not listed specifically in the Schedules to the CDSA. The substance was originally synthesized in an effort to develop alternatives to MDMA for use in psychotherapy<sup>1</sup> and is considered to be a cyclic analogue of *N*-methyl-3,4-methylenedioxyamphetamine (MDMA).

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<sup>1</sup>Nicholas, DE. *et al.* (1990) Neurotoxic tetralin and indan analogues of 3,4-(methylenedioxy)amphetamine, *J. Med. Chem.* **33**:703-710.

MDMA is presently listed under item 1(9) of Schedule III to the CDSA under the heading “Amphetamines, their salts, derivatives, isomers and analogues and salts of derivatives, isomers and analogues including:”. The term analogue in the context of status decisions refers to a substance that is substantially similar in structure to a substance listed in the CDSA. Considering that 5,6-methylenedioxy-2-aminoindan is a cyclic analogue of MDMA the substance is included under item 1(9) of Schedule III to the CDSA.

**Recommendation:** 5,6-methylenedioxy-2-aminoindan is included under item 1(9) of Schedule III to the CDSA and is considered a controlled substance.

**Date:** 27<sup>th</sup> July 2010