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

Substance: 5-Iodo-2-aminoindan

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 not to be considered an analogue of *p*-iodoamphetamine on the basis that it does display significant structural similarity to *p*-iodoamphetamine. 5-iodo-2-aminoindan is also not similar to any other substances listed in the 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

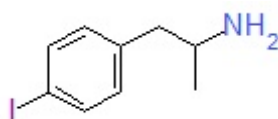
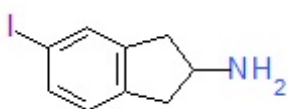
Drug: 5-Iodo-2-aminoindan

Drug Name Status: 5-Iodo-2-aminoindan is the common name.

Chemical Name: 2,3-dihydro-5-iodo-1H-inden-2-amine

Other Names: 5-IAI

Chemical structure:



p-iodoamphetamine

Molecular Formula: C₉H₁₀IN

Pharmacological class / Application: serotonin-uptake inhibitor

CAS-RN: 132367-76-1

International status:

US: The substance is not listed specifically in the CSA and is not mentioned anywhere on the DEA website.

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: 5-Iodo-2-aminoindan is not currently listed in the CDSA. The substance has been considered to be a rigid analogue of *p*-iodoamphetamine and has been shown to display similar, though less potent, pharmacological effects¹. However, 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. While there are some structural similarities between 5-iodo-2-aminoindan and *p*-iodoamphetamine, none of the amphetamines listed in the CDSA feature a core aminoindan structure and therefore, characterising 5-iodo-2-aminoindan as an analogue of

¹Nichols, DE. et al. (1991) 5-Iodo-2-aminoindan, a nonneurotoxic analogue of *p*-iodoamphetamine, *Pharmacol. Biochem. Behav.* **38**:135-139.

p-iodoamphetamine in the context of forming status decisions would be highly disputable. The status of two other structurally similar compounds, 2-(methylamino)-indan and 2-aminoindan have been reviewed previously and were not considered to be controlled substances under the CDSA.

Recommendation: 5-Iodo-2-aminoindan is not included in the Schedules to the CDSA and is not a controlled substance.

Date: 1 September 2010