Substance: URB-754

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 a selective inhibitor to fatty-acid amide hydrolase (FAAH) and is not controlled under the CDSA.

Prepared by: __________________________________________  Date: _____________

Vincent Marleau

Verified by: ___________________________________________  Date: _____________

Mark Kozlowski

Approved by: _________________________________________  Date: _____________

DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by: Khatune Zannat
Drug Status Report

Drug: URB-754

Drug Name Status: URB-754 is the common name.

Chemical Name: 6-methyl-2-[(4-methylphenyl)amino]-4H-3,1-benzoxazin-4-one.

Chemical structure:

\[
\begin{array}{c}
\text{N} \\
\text{H} \\
\text{O} \\
\text{N} \\
\text{H} \\
\text{O} \\
\text{O}
\end{array}
\]

Molecular Formula: \( C_{16}H_{14}N_2O_2 \)

Pharmacological class / Application: FAAH inhibitor

CAS-RN: 86672-58-4

International status:

US: URB-754 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: URB-754 is not listed in the CDSA. The substance is a selective inhibitor of fatty-acid amide hydrolase (FAAH) and does not interact with the CB1 and CB2 receptors.\(^1\) Cannabinoid receptor agonists have been declared to be included under item 1 of Schedule II to the CDSA while cannabinoid receptor antagonists have been declared to fall outside item 1 of Schedule II to the CDSA. Given the lack of selectivity of URB-754 for the cannabinoid receptors, it cannot be included under item 1 of Schedule II to the CDSA.

Recommendation: URB-754 is not included under item 1 of Schedule II to the CDSA and is not a controlled substance.

Date: March 14th, 2012.