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

Substance: URB-597

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: December 20th 2011

Vincent Marleau

Verified by: ____________________________ Date: __________

Mark Kozlowski

Approved by: ____________________________ Date: __________

DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

*This status was requested by:* Julie Delahunt, CBSA
Drug Status Report

**Drug:** URB-597

**Drug Name Status:** URB-597 is the common name.

**Chemical Name:** Cyclohexyl carbamic acid 3'-carbamoylbiphenyl-3-yl ester

**Other names:** [3-(3-carbamoylphenyl)phenyl] N-cyclohexylcarbamate; KDS-4103.

**Chemical structure:**

![Chemical structure of URB-597](image)

**Molecular Formula:** C_{20}H_{22}N_{2}O_{3}

**Pharmacological class / Application:** Enzyme inhibitor

**CAS-RN:** 546141-08-6

**International status:**

US: URB-597 is not listed in 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-597 is not listed specifically in the CDSA. The substance is a selective inhibitor to fatty-acid amide hydrolase (FAAH) that 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-597 for the cannabinoid receptors, it cannot be included under item 1 of Schedule II to the CDSA.

**Recommendation:** URB-597 is not included under item 1 of Schedule II to the CDSA and is not a controlled substance.

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Date: December 20th, 2011