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

Substance: (1-bromocyclopentyl)(phenyl)methanone

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):

- (1-bromocyclopentyl)(phenyl)methanone is not structurally similar to any of the substances contained in the CDSA.

Prepared by: ___________________________ Date: December 19th, 2011

Vincent Marleau

Verified by: ___________________________ Date: _________

Mark Kozlowski

Approved by: ___________________________ Date: _________

DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by: Tanya Arcand
Drug Status Report

Drug: (1-bromocyclopentyl)(phenyl)methanone

Drug Name Status: (1-bromocyclopentyl)(phenyl)methanone is the common name.

Chemical Name: (1-bromocyclopentyl)(phenyl)methanone

Other names: Methanone, (1-bromocyclopentyl)phenyl-

Chemical structure:

\[
\begin{align*}
\text{Molecular Formula: } & C_{12}H_{13}BrO \\
\text{Pharmacological class / Application: } & \text{Pharmaceutical-related substance} \\
\text{CAS-RN: } & 6740-66-5
\end{align*}
\]

International status:

US: (1-bromocyclopentyl)(phenyl)methanone 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: (1-bromocyclopentyl)(phenyl)methanone is not currently listed in the CDSA. The substance has been reported to be an intermediate in the synthesis of ketamine analogues\(^1\) and displays structural similarities to (2-chlorophenyl)(1-hydroxycyclopentyl)methanone, which was previously reviewed and excluded from the CDSA. (1-Bromocyclopentyl)(phenyl)methanone is also not similar to any of the substances found in the CDSA and is therefore not a controlled substance.

Recommendation: (1-bromocyclopentyl)(phenyl)methanone is not included in any of the

Schedules to the CDSA and is not a controlled substance.

**Date:** December 19th, 2011