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

Substance: N-Benzyl-2-phenethylamine

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 similar to any of the substances listed in the Schedules to the CDSA.

Prepared by: _______________________________ Date: 27 July 2010
Evelyn Soo

Verified by: _______________________________ Date: _________
Marianne Tang

Approved by: _______________________________ Date: _________
DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by: DAS
Drug Status Report

Drug: N-benzyl-2-phenylethylamine

Drug Name Status: N-benzylphenylethylamine is the common name.

Chemical Name: N-benzyl-2-phenylethylamine

Other Names: N-benzyl-PEA; benethamine

Chemical structure:

\[
\begin{array}{c}
\text{H} \\
\text{N} \\
\text{C}_15\text{H}_{17}
\end{array}
\]

Molecular Formula: C_{15}H_{17}N

Pharmacological class / Application: fine chemical

CAS-RN: 3647-71-0

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: N-benzyl-2-phenylethylamine is a chemical reagent used in organic synthesis, for example as a Lewis base in organometallic synthesis reactions\(^1\). The substance has been reported in the scientific literature to be an inhibitor of the phenylalanyl-tRNA synthetase (PRS) with respect to L-phenylalanine\(^2\). The substance is not currently listed in the CDSA and is not structurally similar to any substances listed in the Schedules to the CDSA.

Recommendation: N-benzyl-2-phenylethylamine is not included in the schedules

\(^1\)Kratzer R et al. (2005) Catalyst system and the use thereof, US Patent 6953829

to the CDSA and is not considered a controlled substance.

Date: 27\textsuperscript{th} July 2010