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

Substance: 1,3-Bis(benzyloxy)-2-propanol

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 included in the schedules to the CDSA.

Prepared by: ________________________________ Date: Dec 3rd 2010

Evelyn Soo

Verified by: ________________________________ Date: ____________

Marianne Tang

Approved by: ________________________________ Date: ____________

DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by: Michelle Day, Inspectorate
Drug Status Report

**Drug:** 1,3-Bis(benzyloxy)-2-propanol

**Drug Name Status:** 1,3-Bis(benzyloxy)-2-propanol is the common name.

**Chemical Name:** 1,3-Dibenzylglycerol

**Other Names:** 1,3-Di-O-benzylglycerol; 1,3-Dibenzylglycerol; DBG; 1,3-Bis(phenylmethoxy)-2-propanol; 1,3-Dibenzyloxy-2-hydroxypropane

**Chemical structure:**

![Chemical Structure](image)

**Molecular Formula:** $C_{17}H_{20}O_3$

**CAS-RN:** 6972-79-8

**Pharmacological class / Application:** Fine chemical

**International status:**

US: 1,3-Bis(benzyloxy)-2-propanol is not currently listed 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: 1,3-Bis(benzyloxy)-2-propanol is a protected glycerol and has broad application in organic synthesis reactions, for example, in the synthesis of catalytic ligands\(^1\), imaging agents for gene expression analysis\(^2\), as well as cyclopropane derived nucleosides with chemotherapeutic potential\(^3\). The substance is not currently listed in the Schedules to the CDSA.

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and is not similar to any of the substances included in the schedules to the CDSA.

**Recommendation:** 1,3-Bis(benzyloxy)-2-propanol is not included in the schedules to the CDSA and is not a controlled substance.

**Date:** 3 December 2010