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

Substance:  3-(tert-Butyldimethylsilyl)morphinone

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 morphinan and must be included under Item 10 of Schedule I to the CDSA.

Prepared by: ___________________________ Date: February 21st, 2012
Marie-Christine Nolet

Verified by: ___________________________ Date: __________
Mark Kozlowski

Approved by: ___________________________ Date: __________
DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by: "third party information removed as per agreement with applicant"
**Drug Status Report**

**Drug:** 3-(tertbutyldimethylsilyl)morphinone

**Drug Name Status:** 3-(tertbutyldimethylsilyl)morphinone

**Chemical Name:** 3-(tertbutyldimethylsilyl)morphinone

**Other Names:**
(4R,4aR,7aR,12bS)-9-((tert-butyldimethylsilyl)oxy)-3-methyl-2,3,4,4a-tetrahydro-1H-4,12-methanobenzofuro[3,2-e]isoquinolin-7(7aH)-one; 3-O-(tertbutyldimethylsilyl)morphinone

**Chemical structure:**

![Chemical structure](image)

**Molecular Formula:** C$_{23}$H$_{33}$NO$_3$Si

**Pharmacological class / Application:** Morphinan

**CAS-RN:** 91265-70-2

**International status:**

US: 3-(tertbutyldimethylsilyl)morphinone is not listed in the schedules to the US *Controlled Substances Act* and is not mentioned 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: 3-(tertbutyldimethylsilyl)morphinone is not specifically listed in the schedules to the CDSA. The substance is used in the synthesis of morphinone\(^a\) which was previously reviewed and included under Item 10 of Schedule I to the CDSA under the heading “Morphinans, their salts, derivatives and salts of derivatives”. As a protected form of morphinone, it is a derivative of morphinone and is therefore captured under Item 10 of Schedule I to the CDSA.

**Recommendation:** 3-(tertbutyldimethylsilyl)morphinone is included under Item 10 of Schedule I to the CDSA and is considered a controlled substance.

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Date: February 21st, 2012.