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

Substance: STS-135

Based on the current information available to the Office of Controlled Substances, it appears that the above substance is:

- Controlled ☐
- Not Controlled X

under the schedules of the *Controlled Drugs and Substances Act* (CDSA) for the following reason(s):

- The substance has not been shown to demonstrate cannabinoid receptor agonist activity and cannot be included under the Schedules to the CDSA.

Prepared by: ______________________________ Date: ______________

Zack Li

Verified by: ______________________________ Date: ______________

Mark Kozlowski

Approved by: ______________________________ Date: ______________

DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by: Reem Mahmoud, OCS
Drug Status Report

**Drug:** STS-135

**Drug Name Status:** STS-135 is the common name.

**Chemical Name:** N-(adamantan-1-yl)-1-(5-fluoropentyl)-1H-indole-3-carboxamide

**Other Names:** N-adamantyl-1-fluoropentylindole-3-carboxamide

**Chemical structure:**

![Chemical structure]

**Molecular Formula:** C$_{24}$H$_{31}$FN$_2$O  **CAS-RN:** 1354631-26-7

**Pharmacological class / Application:** Synthetic cannabinoid

**International status:**

US: STS-135 is not listed specifically 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: STS-135 is not listed specifically in the CDSA. The substance is a synthetic cannabinoid and there are no reports in the scientific literature on the binding affinity of STS-135 for the CB$_1$ and CB$_2$ receptors cannabinoid receptors or any information on its efficacy as a cannabinoid agonist. Cannabinoid receptor agonists are currently included under the heading “Cannabis, its preparations, derivatives and similar synthetic preparations” of item 1 in Schedule II to the CDSA, whereas cannabinoid receptor antagonists are specifically excluded. Given that there is currently no information on the cannabinoid receptor agonist activity of STS-135, it cannot be included under item 1 of Schedule II to the CDSA.

**Recommendation:** STS-135 is not included in the Schedules to the CDSA and is not a controlled substance.

**Date:** July 3rd, 2012.