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

Substance:  
I- 1-O-[(tert-Butyl)dimethylsilyloxy]-9-carboxylate-delta9-tetrahydro Cannabinol  
II- 1-O-[(tert-Butyl)dimethylsilyloxy]-9-formyl-delta9-tetrahydro Cannabinol  
III- 1-O-[(tert-Butyl)dimethylsilyloxy]-11-hydroxy-delta9-tetrahydro Cannabinol  
IV- 1-O-[(tert-Butyl)dimethylsilyloxy]-11-acetyloxy-delta9-tetrahydro Cannabinol  
V- (+/-)-cis-11-Nor-9-carboxy-delta9-THC-D3 glucuronide

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):

- These substances are derivatives of tetrahydrocannabinol (THC) and are included under sub-item 1(7) of Schedule II to the CDSA.

Prepared by: _____________________________________________ Date: December 16th, 2011
Vincent Marleau

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:
I- 1-O-[(tert-Butyl)dimethylsilyloxy]-9-carboxylate-delta9-tetrahydro Cannabinol
II- 1-O-[(tert-Butyl)dimethylsilyloxy]-9-formyl-delta9-tetrahydro Cannabinol
III- 1-O-[(tert-Butyl)dimethylsilyloxy]-11-hydroxy-delta9-tetrahydro Cannabinol
IV-1-O-[(tert-Butyl)dimethylsilyloxy]-11-acetoxy-delta9-tetrahydro Cannabinol
V- (+/-)-cis-11-Nor-9-carboxy-delta9-THC-D3 glucuronide

Drug Name Status:
I- 1-O-[(tert-Butyl)dimethylsilyloxy]-9-carboxylate-delta9-tetrahydro Cannabinol
II- 1-O-[(tert-Butyl)dimethylsilyloxy]-9-formyl-delta9-tetrahydro Cannabinol
III- 1-O-[(tert-Butyl)dimethylsilyloxy]-11-hydroxy-delta9-tetrahydro Cannabinol
IV- 1-O-[(tert-Butyl)dimethylsilyloxy]-11-acetoxy-delta9-tetrahydro Cannabinol
V- (+/-)-cis-11-Nor-9-carboxy-delta9-THC-D3 glucuronide are the common names.

Chemical Name:
I- 1-O-[(tert-Butyl)dimethylsilyloxy]-9-carboxylate-delta9-tetrahydro Cannabinol
II- 1-O-[(tert-Butyl)dimethylsilyloxy]-9-formyl-delta9-tetrahydro Cannabinol
III- 1-O-[(tert-Butyl)dimethylsilyloxy]-11-hydroxy-delta9-tetrahydro Cannabinol
IV- 1-O-[(tert-Butyl)dimethylsilyloxy]-11-acetoxy-delta9-tetrahydro Cannabinol
V- 3,4,5-trihydroxy-6-(((6aR,10aR)-1-hydroxy-6,6-dimethyl-3-pentyl-6a,7,8,10a-tetrahydro-2H-pyran-2-carboxylic acid

Other Names:
I- (6aR-trans)-1-[[1,1-Dimethylethyl)dimethylsilyloxy]-6a,7,8,10a-tetrahydro-6,6-dimethyl-3-pentyl-6H-dibenzo[b,d]pyran-9-carboxylic Acid;
(6aR-trans)-1-[(tert-Butyl)dimethylsilyloxy]-6a,7,8,10a-tetrahydro-6,6-dimethyl-3-pentyl-6H-dibenzo[b,d]pyran-9-carboxylic Acid.
II- (6aR-trans)-1-[[1,1-Dimethylethyl)dimethylsilyloxy]-6a,7,8,10a-tetrahydro-6,6-dimethyl-3-pentyl-6H-dibenzo[b,d]pyran-9-carboxylate;
(6aR-trans)-1-[(tert-Butyl)dimethylsilyloxy]-6a,7,8,10a-tetrahydro-6,6-dimethyl-3-pentyl-6H-dibenzo[b,d]pyran-9-methanol;
III- (6aR-trans)-1-[[1,1-Dimethylethyl)dimethylsilyloxy]-6a,7,8,10a-tetrahydro-6,6-dimethyl-3-pentyl-6H-dibenzo[b,d]pyran-9-methanol;
(6aR-trans)-1-[(tert-Butyl)dimethylsilyloxy]-6a,7,8,10a-tetrahydro-6,6-dimethyl-3-pentyl-6H-dibenzo[b,d]pyran-9-methanol.
IV- (6aR-trans)-1-[[1,1-Dimethylethyl)dimethylsilyloxy]-6a,7,8,10a-tetrahydro-6,6-dimethyl-3-pentyl-6H-dibenzo[b,d]pyran-9-methanol;
(6aR-trans)-1-[(tert-Butyl)dimethylsilyloxy]-6a,7,8,10a-tetrahydro-6,6-dimethyl-3-pentyl-6H-dibenzo[b,d]pyran-9-methanol.
V- 11-nor-9-Carboxy-THC glucuronide; 11-COOH-THC glucuronide.

Chemical structure:
Molecular Formula: I- C_{27}H_{42}O_{4}Si; II- C_{27}H_{42}O_{3}Si; III- C_{27}H_{44}O_{3}Si; IV- C_{29}H_{46}O_{4}Si; V- C_{27}H_{36}O_{10}.

CAS RN: I-138285-38-8; II-138285-36-6; III-124588-22-3; IV-123718-51-4; V-N/A.

Pharmacological class / Application: Cannabinoid derivatives

International status:

US: The substances are not listed on the schedules to the US Controlled Substances Act and are not mentioned anywhere on the DEA website.

United Nations: The substances are 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-O-[(tert-Butyl)dimethylsilyloxy]-9-carboxylate-delta9-tetrahydro Cannabinol, 1-O-[(tert-Butyl)dimethylsilyloxy]-9-formyl-delta9-tetrahydro Cannabinol, 1-O-[(tert-Butyl)dimethylsilyloxy]-11-hydroxy-delta9-tetrahydro Cannabinol, 1-O-[(tert-Butyl)dimethylsilyloxy]-11-acetyloxy-delta 9-tetrahydro Cannabinol and (+/-)-cis-11-Nor-9-carboxy-delta9-THC-D3 glucuronide are not currently listed in the Schedules to the CDSA. The substances have been reported to be derivatives of tetrahydrocannabinol (THC), which is currently listed as sub-item 1(7) of Schedule II to the CDSA under the heading “Cannabis, its preparations, derivatives and similar synthetic preparations including:”. As derivatives of THC, the substances must be included under sub-item 1(7) of Schedule II to the CDSA.

Recommendation: 1-O-[(tert-Butyl)dimethylsilyloxy]-9-carboxylate-delta9-tetrahydro Cannabinol, 1-O-[(tert-Butyl)dimethylsilyloxy]-9-formyl-delta9-tetrahydro Cannabinol,
1-O-[(tert-Butyl)dimethylsilyloxy]-11-hydroxy-delta9-tetrahydro Cannabinol,
1-O-[(tert-Butyl)dimethylsilyloxy]-11-acetyloxy-delta 9-tetrahydro Cannabinol and
(+/-)-cis-11-Nor-9-carboxy-delta9-THC-D3 glucuronide are included under item 1(7) of schedule II to the CDSA and are controlled substances.

Date: December 16th, 2011