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

Substance:  
I - 3,4-Dimethoxyphenylacetone  
II - 3-Fluorophenylacetone

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 substances show some structural similarity to 1-phenyl-2-propanone but cannot be included under item 11 of Part 1 of Schedule VI to the CDSA.

Prepared by:  
Evelyn Soo  
Date: Dec 10th 2010

Verified by:  
Marianne Tang  
Date: __________

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

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

**Drug:**  I - 3,4-Dimethoxyphenylacetone  
II - 3-Fluorophenylacetone

**Drug Name Status:**  I - 3,4-Dimethoxyphenylacetone  
II - 3-Fluorophenylacetone are the common names.

**Chemical Name:**  I - 1-(3,4-Dimethoxyphenyl)-2-propanone  
II - 3-Fluorophenylacetone

**Other Names:**  I - 3,4-Dimethoxybenzyl methyl ketone; 1-(3,4-dimethoxyphenyl)acetone  
II - NONE

**Chemical Structure:**

![Chemical Structure](image)

**Molecular Formula:**  I - C<sub>11</sub>H<sub>14</sub>O<sub>3</sub>; II - C<sub>9</sub>H<sub>9</sub>FO

**CAS-RN:**  I - 776-99-8; II - 1737-19-5

**Pharmacological class / Application:**  Fine chemical

**International status:**
US: 3,4-Dimethoxyphenylacetone and 3-fluorophenylacetone are not currently listed in 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: 3,4-Dimethoxyphenylacetone and 3-fluorophenylacetone are claimed to be starting materials in the synthesis of 3,4-dihydroxy methamphetamine hydrochloride and 3-fluoromethamphetamine hydrochloride, respectively. The substances are not currently listed in the CDSA and while they are structurally similar to 1-phenyl-2-propanone, which is controlled as
a Class A Precursor and listed as item 11 in Part 1 of Schedule VI to the CDSA, the derivatives or analogues of 1-phenyl-2-pronanone are not included in the listing. Accordingly, 3,4-dimethoxyphenylacetone and 3-fluorophenylacetone cannot be included under item 11 of Part 1 of Schedule VI to the CDSA.

**Recommendation:** 3,4-Dimethoxyphenylacetone and 3-fluorophenylacetone are not included in the schedules to the CDSA and are not controlled substances.

**Date:** 10 December 2010