



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

Substance: Valproic acid related substances including: Valproic acid methyl ester (I) Valproic acid nitrile (II) Valproic acid propyl ester

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):

- Valproic acid and its salts are listed on Schedule F to the Food and Drug Regulations. The valproic acid analogues shown here are not similar to any substance listed on the schedules to the CDSA.

Supporting document(s) attached: Drug Status Report by Mr. LeBelle

Prepared by: Xiao Peng Feng Date: July 11, 2006

Drug Status Report by: Mr. M. LeBelle Date: July 4, 2006

Approved by: DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES Date:

## Drug Status Report

**Drug:** Valproic acid related substances

Valproic acid methyl ester (I)

Valproic acid nitrile (II)

Valproic acid propyl ester (III)

This report results from the request for status evaluations for several substances

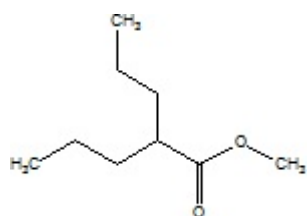
**Drug Name Status:** Valproic acid methyl ester, valproic acid nitrile and valproic acid propyl ester are common names.

**Chemical Name:** (I) 2-Propylpentanoic acid methyl ester

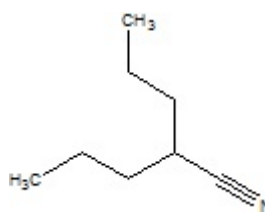
(II) 2-Propylpentanonitrile

(III) 2-Propylpentanoic acid propyl ester

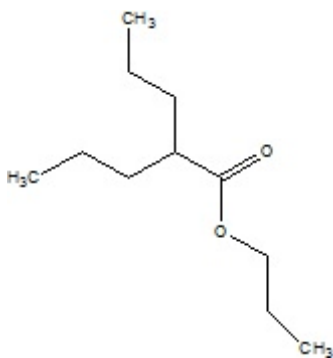
**Chemical structure:**



I



II



III

**Molecular Formula:** (I) C<sub>9</sub>H<sub>18</sub>O<sub>2</sub>

(II) C<sub>8</sub>H<sub>15</sub>N

(III) C<sub>11</sub>H<sub>22</sub>O<sub>2</sub>

**Pharmacological/chemical class / Application:** unknown

**International status:**

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

United Nations: The substances are not listed on the Yellow List - List of Narcotic Drugs under International Control nor the Green List - List of Psychotropic Substances under International Control.

Canadian Status: Valproic acid and its salts are listed on Schedule F to the Food and Drug Regulations. The valproic acid analogues shown here are not similar to any substance listed on the schedules to the CDSA.

Recommendation: Valproic acid related substances are not subject to the CDSA and are not controlled substances.

July 4, 2006