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

Substance:  N-(4-Nitrobenzoyl)-D-glutamic acid

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 is not structurally similar to any of those listed in the schedules to the CDSA.

Prepared by: ___________________________ Date: ____________

Evelyn Soo

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:**  N-(4-Nitrobenzoyl)-D-glutamic acid

**Drug Name Status:**  N-(4-Nitrobenzoyl)-D-glutamic acid is the common name.

**Chemical Name:**  N-(4-Nitrobenzoyl)-D-glutamic acid

**Chemical structure:**

![Chemical structure of N-(4-Nitrobenzoyl)-D-glutamic acid]

**Molecular Formula:**  $\text{C}_{12}\text{H}_{12}\text{N}_{2}\text{O}_{7}$

**CAS-RN:**  85646-44-2

**Pharmacological class / Application:**  Pharmaceutical-related substances

**International status:**

US:  N-(4-Nitrobenzoyl)-D-glutamic acid is not listed on 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:  N-(4-Nitrobenzoyl)-D-glutamic acid is not currently listed in the schedules to the CDSA.  The substance has been reported to be a derivative of glutamic acid and used in the synthesis of molecular probes of the kainic acid receptor$^1$.  The substance is not structurally similar to any of those included in the schedules to the CDSA.

**Recommendation:**  N-(4-Nitrobenzoyl)-D-glutamic acid is not included in the schedules to the CDSA and is not a controlled substance.

**Date:**  September 7th, 2011

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