Health Canada Santé Canada

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 ✓

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"

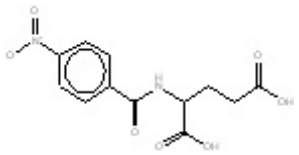
Drug Status Report

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:



Molecular Formula: I - $C_{12}H_{12}N_2O_7$

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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[1]Gu, Z-Q and Hesson, DP. (1995) Synthesis, resolution, and biological evalutation of the four stereoisomers of 4-methylglutamic acid: selective probes of kainate receptors, J. Med. Chem. **28**:2518-2520.