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

Substance: 4-Phenylpiracetam

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 a derivative of piracetam and is not captured under the Schedules to the CDSA.

Prepared by: _______________________________________ Date: _______________

Vincent Marleau

Verified by: _______________________________________ Date: _______________

Mark Kozlowski

Approved by: _______________________________________ Date: _______________

DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by: Dominique Franco, OCS
Drug Status Report

**Drug:** 4-Phenylpiracetam

**Drug Name Status:** Phenotropil is the common name.

**Chemical Name:** N-Carbamoylmethyl-4-aryl-2-pyrrolidone

**Other Names:** 4-Phenyl-2-pyrrolidone-1-acetamide; 2-(2-Oxo-4-phenyl-pyrrolidin-1-yl)acetamide; 2-Oxo-4-phenylpyrrolidine-1-acetamide; Carphedon; Phenotropil; Phenylpiracetam; 2-(2-Oxo-4-phenylpyrrolidin-1-yl)acetamide.

**Chemical structure:**

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\begin{align*}
n \text{O} & \text{N} \\
& \text{H} \\
& \text{C} & \text{H} & \text{N} & \text{O}
\end{align*}
\]

**Molecular Formula:** \(C_{12}H_{14}N_{2}O_{2}\)    **CAS-RN:** 77472-70-9

**Pharmacological class / Application:** Nootropic

**International status:**

US: 4-Phenylpiracetam is not listed specifically in 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: Phenotropil is not listed in the Schedules to the CDSA. The substance is a derivative of piracetam\(^1\) and is used for the improvement of cognition and physical condition\(^2\). The substance is not structurally similar to any of those listed in the Schedules to the CDSA. It is noteworthy that piracetam was previously reviewed and is not controlled under the Schedules to the CDSA.

**Recommendation:** 4-Phenylpiracetam is not included in the schedules to the CDSA and is not a controlled substance.

**Date:** July 16\(^{th}\), 2013.

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