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

Substance: CDP-choline

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 similar to those included in 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: Sandra Jarvis
Drug Status Report

Drug: CDP-choline

Drug Name Status: CDP-choline is the common name.

Chemical Name: 2-((((((2R,3R,4S,5R)-5-(4-amino-2-oxopyrimidin-1(2H)-yl)-3,4-dihydroxytetrahydrofuran-2-yl)methoxy)(hydroxy)phosphoryl)oxy)(hydroxy)phosphoryl)oxy)-N,N,N-trimethylethanaminium

Other Names: Citicoline; Cytidine diphosphate-choline; Cytidine 5’-disphosphocholine.

Chemical structure:

![Chemical Structure](image)

Molecular Formula: C_{14}H_{27}N_{4}O_{11}P_{2}

Pharmacological class / Application: Pharmaceutical-related substance

CAS-RN: 987-78-0

International status:

US: CDP-choline 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: CDP-choline is not listed in the CDSA. The substance is an intermediate in the biosynthesis of phospholipids found in cellular membranes and is not structurally similar to any substances included in the CDSA.

Recommendation: CDP-choline is not included in the schedules to the CDSA and is not a controlled substance.

Date: March 22nd, 2012.

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