



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

Substance: Acetylcarnitine

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):

- Acetylcarnitine is not similar to any substance listed on the schedules to the CDSA.

Supporting document attached: Drug Status Report by Mr. LeBelle

Prepared by: _____
Xiao Peng Feng

Date: Sept. 28, 2006

Drug Status Report by: Mr. M. LeBelle

Date: Sept. 27, 2006

Approved by: _____

Date: _____

DIRECTOR, OFFICE OF
CONTROLLED SUBSTANCES

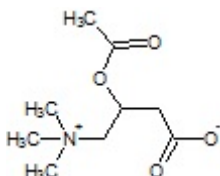
Drug Status Report

Drug: Acetylcarnitine

Drug Name Status: Acetylcarnitine is the common name

Chemical Name: 2-(Acetyloxy)-3-carboxy-N,N,N-trimethyl-1-propanaminium inner salt

Chemical structure:



Acetylcarnitine has one chiral (optically active) centre so it exists as two enantiomeric isomers which can be designated (+) and (-).

Molecular Formula: C₉H₁₇NO₄

Pharmacological class / Application: Nootropic (purported to boost brain function)

International status:

US: The substance is not listed on the schedules to the US Controlled Substances Act and is not mentioned on the DEA website.

United Nations: The substance is not listed on the Yellow List - List of Narcotic Drugs under International Control. The drug is not listed on the Green List - List of Psychotropic Substances under International Control.

Canadian Status: Acetylcarnitine is not similar to any substance listed on the schedules to the CDSA.

Recommendation: Acetylcarnitine is not included in the schedules to the CDSA and is not a controlled substance.

September 27, 2006