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

Substance: Erythro-(alpha)-Phenyl-(alpha)-piperidyl-(2)-acetic acid hydrochloride

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):

- Methylphenidate is included in Schedule III as item 2, “Methylphenidate (a-Phenyl-2-piperidineacetic acid methyl ester) and any salt thereof.
- The substance is not a salt of methylphenidate

Supporting document(s) attached:

Prepared by: ___________________________ Date: ____________
SHEREEN KHAN

Verified by: ___ See email ___________________________ Date: ____________
MICHAEL LEBELLE

Approved by: ___________________________ Date: ____________
DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES
Drug Status Report

Drug: Methylphenidate related substances
erthro-(alpha)-Phenyl-(alpha)-piperidyl-(2)-acetic acid hydrochloride (I)
erthro-(alpha)-Phenyl-(alpha)-piperidyl-(2)-acetamide (II)
three-o-a-Phenyl-a-piperidyl-(2)-acetic acid hydrochloride (III)
three-o-(alpha)-Phenyl-(alpha)-piperidyl-(2)-acetamide (IV)

Drug Name Status: All of the above names are chemical names

Chemical structure:

Molecular Formula: C_{13}H_{17}NO_{2} (I and III)
C_{13}H_{18}N_{2}O (II and IV)

Pharmacological class / Application: methylphenidate related compound

International status:

US: These chemicals are not currently listed on the US Controlled Substances Act and are not mentioned on the DEA website.
United Nations: The chemicals are not listed on the Yellow List - List of Narcotic Drugs under International Control nor the Green List - List of Psychotropic Substances under International Control.

Canadian Status: Methylphenidate is included in Schedule III as item 2, “Methylphenidate (a-Phenyl-2-piperidineacetic acid methyl ester) and any salt thereof.” Compounds I - IV are related to methylphenidate from a pharmaceutical perspective. They may be degradation products of methylphenidate or synthetically related compounds. The four substances are not salts of methylphenidate. The stereochemical designations of the substances - threo and erythro - are irrelevant the their status.

Recommendation: Substances I to IV are not included in the schedules to the CDSA and are not controlled substances.

February 9, 2006