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

Substance: Etomidate

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 listed in the Schedules to the CDSA and is not similar to any of the substances included in the CDSA.

Prepared by: ___________________________ Date: June 16, 2011

Zack Li

Verified by: ___________________________ Date: _____________

Mark Kozlowski

Approved by: ___________________________ Date: _____________

DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by: Brigitte Mainville, OCS
Drug Status Report

**Drug:** Etomidate

**Drug Name Status:** Etomidate is proper (INN) name.

**Chemical Name:** 1-((1R)-1-phenylethyl-1H-imidazole-5-carboxylic acid, ethyl ester

**Other Names:** Amidate; (+)-1-(1-phenylethyl)-1H-imidazole-5-carboxylic acid, ethyl ester; (+)-1-(alpha-methylbenzyl)imidazole-5-carboxylate

**Chemical structure:**

![Chemical structure of Etomidate](attachment:image.png)

**Molecular Formula:** $C_{14}H_{16}N_2O_2$

**CAS RN:** 33125-97-2

**Pharmacological class / Application:** Anaesthetic

**International status:**

US: The substance is not currently 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 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: Etomidate is an anaesthetic drug used in human and veterinary applications and has no analgesic properties. It is not listed in the CDSA and is not structurally similar to any of the substances included in the Schedules to the CDSA. Its methylated analogue, methyl 3-[(1R)-1-phenylethyl]imidazole-4-carboxylate (Metomidate), was also previously reviewed and was found not controlled under the CDSA. Metomidate is currently regulated under Schedule F to the Food and Drug Regulations.

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

Date: June 16, 2011