Drug Status Report

Drug: 3-(Methyl(α-methylphenethyl)amino)acrolein

**Drug Name Status:** 3-(Methyl(α-methylphenethyl)amino)acrolein is the common name

**Chemical Name:** (E)-3-[methyl-[(1R)-1-methyl-2-phenyl-ethyl]amino]prop-2-enal

**Other Names:** 2-propenal, 3-methyl(α-methylphenethyl)amino

**Chemical structure:**

![Chemical structure](image)

**Molecular Formula:** C_{13}H_{17}NO

**Pharmacological class / Application:** Pharmaceutical related impurity

**International status:**

US: (E)-3-(Methyl(α-methylphenethyl)amino)acrolein is not listed specifically in the Schedules to the CDSA and is not mentioned anywhere on the DEA website.

United Nations: (E)-3-(Methyl(α-methylphenethyl)amino)acrolein is not listed on the Yello List - List of Narcotic Drugs under International Control nor the Green List - List of Psychotropic Substances under International Control. The substance is also not included in the UN Red List - List of Precursors and Chemicals Frequently Used in the Illicit Manufacture of Narcotic Drugs and Psychotropic Substances under International Control.

Canadian Status: (E)-3-(Methyl(α-methylphenethyl)amino)acrolein is reported to be a related impurity of Selegiline hydrochloride and is not similar to any of the substances listed in the Schedules to the CDSA.

**Recommendation:** (E)-3-(Methyl(α-methylphenethyl)amino)acrolein is not included in any of the Schedules to the CDSA and is not a controlled substance.

February 3rd 2010