Drug Status Report

**Drug:** Muscimol

**Drug Name Status:** Muscimol is the common name.

**Chemical Name:** 5-(Aminomethyl)isoxazol-3-ol

**Chemical structure:**

![Chemical structure of Muscimol](image)

**Molecular Formula:** C₄H₆N₂O₂

**Pharmacological class / Application:** GABA agonist

**International status:**

US: The substance is not listed on the schedules to the CSA 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 nor the Green List - List of Psychotropic Substances under International Control.

Canadian Status: Muscimol is not listed on the schedules to the CDSA and is not similar to a substance listed on the CDSA. It is one of the toxins found in the mushroom, Amanita muscaria, commonly known as the fly agaric or fly Amanita. Fly agaric was reviewed in 2003 and it was concluded that the plant and its constituents are not controlled substances.

Recommendation: Muscimol is not included in the schedules to the CDSA and is neither a controlled substance nor a precursor.

June 25, 2009