

Drug Status Report

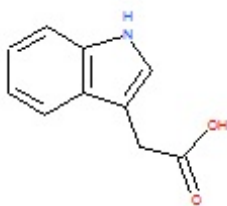
Drug: Indoleacetic acid

Drug Name Status: Indoleacetic acid is the common name.

Chemical Name: 1H-indole-3-acetic acid

Other Names: Indol-3-ylacetic acid; indole-3-acetic acid

Chemical structure:



Molecular Formula: C₁₀H₉NO₂

Pharmacological class / Application: Phytohormone

International status:

US: Indoleacetic acid 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: Indoleacetic acid is a phytohormone which is involved in the regulation of plant growth^{1,2}. The substance is not currently listed in the CDSA and is not structurally similar to any of the substances listed in the Schedules to the CDSA.

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

July 13th 2010.

¹Walz, A. *et al.* (2002) A gene encoding a protein modified by the phytohormone indoleacetic acid, *Prot Nat Acad Sci.*, **99**:1718-1723

²Sorce, C. *et al.* (2009) Indoleacetic acid concentration and metabolism changes during bud development in tubers of two potato (*Solanum tuberosum*) cultivars, *J. Plant Physiol.* **166**:1023-1033.