Drug Status Report

**Drug:** Propyphenazone

**Drug Name Status:** Propyphenazone is the INN.

**Chemical Name:** 1,2dihydro-1,5-dimethyl-4-(1-methylethyl)-2phenyl-3H-pyrazol-3-one

**Other Names:** 1-phenyl-2,3-dimethyl-4-isopropyl-3-pyrazolin-5-one; 2,3-dimethyl-4-isopropyl-1-phenyl-3H-pyrazolin-5-one; 4-isopropyl-2,3-dimethyl-1-phenyl-3-pyrazolin-5-one; 4-isopropylantipyrine; isopropylantipyrine

**Chemical structure:**

![Propyphenazone](image1.png)  ![Phenazone](image2.png)

**Molecular Formula:** C\(_{14}\)H\(_{18}\)N\(_2\)O

**Pharmacological class / Application:** analgesic

**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. The drug is not listed on the Green List - List of Psychotropic Substances under International Control.

Canadian Status: Propyphenazone is not listed on any of the Schedules to the CDSA. While dichloralphenzone is considered to be a controlled substance under Schedule IV to US DEA, propyphenazone has been established as an non-opioid analgesic\(^1\). It is noteworthy that phenazone (antipyrine) is regulated under Schedule F to the Food and Drug Regulations. However, propyphenazone is not listed specifically in any of the Schedules to the FDR and is not structurally similar to any of the substances listed in the Schedules to the CDSA.

Recommendation: Propyphenazone is not included in the Schedules to the CDSA and is not a controlled substance.

January 7\(^{th}\), 2010.