

Drug Status Report

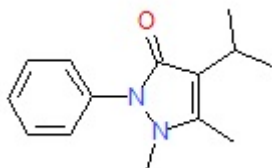
Drug: Propyphenazone

Drug Name Status: Propyphenazone is the INN.

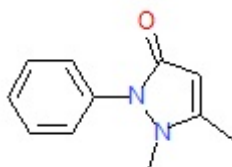
Chemical Name: 1,2-dihydro-1,5-dimethyl-4-(1-methylethyl)-2-phenyl-3H-pyrazol-3-one

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



Phenazone

Molecular Formula: C₁₄H₁₈N₂O

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 a non-opioid analgesic¹. 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 7th, 2010.

¹Kraetsch HG *et al.* (1996) Analgesic effects of propyphenazone in comparison to its combination with caffeine. *Eur J Clin Pharmacol.* **49**:377-382.