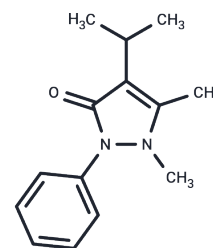


Propyphenazone

Chemical Properties

CAS No. :	479-92-5
Formula:	C ₁₄ H ₁₈ N ₂ O
Molecular Weight:	230.31
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Propyphenazone (4-Isopropylantipyrine), a pyrazolone derivative, exhibits anti-inflammatory, analgesic, and antipyretic properties and acts as a precursor for prodrugs and selective cyclooxygenase-2 inhibitors.
Targets(IC50)	COX

Solubility Information

Solubility	DMSO: 60 mg/mL (260.52 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.342 mL	21.7099 mL	43.4197 mL
5 mM	0.8684 mL	4.342 mL	8.6839 mL
10 mM	0.4342 mL	2.171 mL	4.342 mL
50 mM	0.0868 mL	0.4342 mL	0.8684 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Radwan MF, et al. Propyphenazone-based analogues as prodrugs and selective cyclooxygenase-2 inhibitors. ACS Med Chem Lett. 2014 Jun 23;5(9):983-8.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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