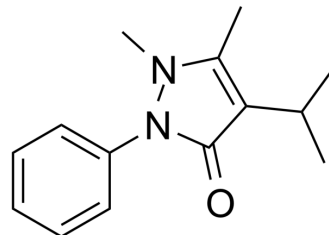


## Propyphenazone

Cat. No.:	HY-A0273		
CAS No.:	479-92-5		
Molecular Formula:	C <sub>14</sub> H <sub>18</sub> N <sub>2</sub> O		
Molecular Weight:	230.31		
Target:	COX		
Pathway:	Immunology/Inflammation		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : ≥ 2.6 mg/mL (11.29 mM)  
 \* "≥" means soluble, but saturation unknown.

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	4.3420 mL	21.7099 mL	43.4197 mL
	5 mM	0.8684 mL	4.3420 mL	8.6839 mL
	10 mM	0.4342 mL	2.1710 mL	4.3420 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Propyphenazone is a pyrazolone derivative with anti-inflammatory, analgesic and antipyretic activity, Propyphenazone-based analogues as prodrugs and selective cyclooxygenase-2 inhibitors. Target COX-2 Propyphenazone is structurally related to aminophenazone it has been associated with severe blood dyscrasias. Propyphenazone is introduced for the treatment of rheumatic disorders.

#### IC<sub>50</sub> & Target

COX

### REFERENCES

[1]. Burdan F, et al. Formation of the knee joint after prenatal propyphenazone (isopropylantipyrine) administration. Cells Tissues Organs. 2002;171(2-3):145-51.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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