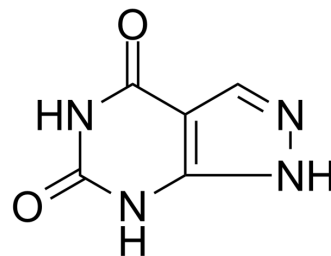


Oxypurinol

Cat. No.:	HY-19657		
CAS No.:	2465-59-0		
Molecular Formula:	C ₅ H ₄ N ₄ O ₂		
Molecular Weight:	152.11		
Target:	Endogenous Metabolite; Xanthine Oxidase; Drug Metabolite		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 25 mg/mL (164.35 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent	1 mg	5 mg	10 mg
		Concentration			
		1 mM	6.5742 mL	32.8709 mL	65.7419 mL
		5 mM	1.3148 mL	6.5742 mL	13.1484 mL
	10 mM	0.6574 mL	3.2871 mL	6.5742 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (16.44 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Oxypurinol (Oxipurinol), the major active metabolite of Allopurinol, is an inhibitor of xanthine oxidase. Oxypurinol can be used to regulate blood urate levels and treat gout ^[1] .
IC ₅₀ & Target	Xanthine oxidoreductase ^[1]
In Vitro	Allopurinol is rapidly metabolized (half-life approximately 1 h) to its active metabolite oxypurinol. Oxypurinol is an inhibitor of xanthine oxidoreductase and has a considerably longer elimination half-life (approximately 23 h) ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

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

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