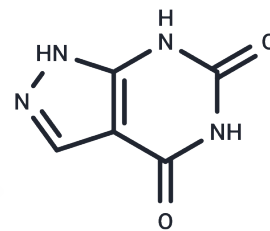


Oxypurinol

Chemical Properties

CAS No. :	2465-59-0
Formula:	C ₅ H ₄ N ₄ O ₂
Molecular Weight:	152.11
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Oxypurinol is a xanthine oxidase inhibitor. Oxypurinol is potentially used for the treatment of congestive heart failure.
Targets(IC50)	Endogenous Metabolite, Drug Metabolite, ROS, Xanthine Oxidase

Solubility Information

Solubility	DMSO: 10 mg/mL (65.74 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (6.57 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.1315 mL	0.6574 mL	1.3148 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

Iwanaga T, et al. Drug Metab Dispos. 2005 Dec;33(12):1791-5.

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