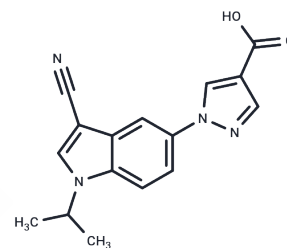


Tigulixostat

Chemical Properties

CAS No. :	1287766-55-5
Formula:	C ₁₆ H ₁₄ N ₄ O ₂
Molecular Weight:	294.31
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	Tigulixostat (LC350189) is a novel xanthine oxidase inhibitor (XOI) that reduces uric acid production and may be used in studies of gout-related diseases.
Targets(IC50)	Xanthine Oxidase

Solubility Information

Solubility	DMSO: 80 mg/mL (271.82 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: 3.3 mg/mL (11.21 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	3.3978 mL	16.9889 mL	33.9778 mL
5 mM	0.6796 mL	3.3978 mL	6.7956 mL
10 mM	0.3398 mL	1.6989 mL	3.3978 mL
50 mM	0.068 mL	0.3398 mL	0.6796 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

Seonghae Yoon, et al. Pharmacokinetics, pharmacodynamics, and tolerability of LC350189, a novel xanthine oxidase inhibitor, in healthy subjects. Drug Des Devel Ther. 2015 Aug 31;9:5033-49.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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