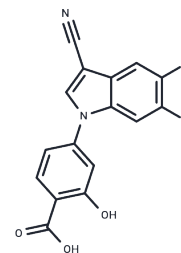


Xanthine oxidase-IN-1

Chemical Properties

CAS No. :	1071970-13-2
Formula:	C ₁₆ H ₈ F ₂ N ₂ O ₃
Molecular Weight:	314.24
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	Xanthine oxidase-IN-1 is an effective inhibitor of xanthine oxidase with an IC ₅₀ value of 6.5 nM. It plays a central role in purine catabolism through the degradation of bioactive nucleotides facilitated by nucleic acid and nucleotide intermediates.
Targets(IC ₅₀)	Xanthine Oxidase

Solubility Information

Solubility	DMSO: 10 mg/mL (31.82 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	3.1823 mL	15.9114 mL	31.8228 mL
5 mM	0.6365 mL	3.1823 mL	6.3646 mL
10 mM	0.3182 mL	1.5911 mL	3.1823 mL
50 mM	0.0636 mL	0.3182 mL	0.6365 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

Shimizu K, et al. Preparation of (aza)indole derivatives as xanthine oxidase inhibitors. WO2008126898 A1.

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