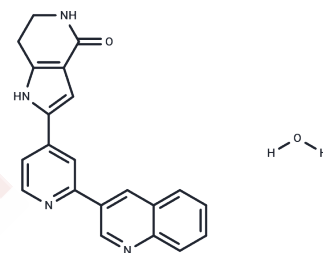


MK2-IN-3 hydrate

Chemical Properties

CAS No. :	1186648-22-5
Formula:	C ₂₁ H ₁₈ N ₄ O ₂
Molecular Weight:	358.39
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	MK2-IN-3 hydrate (MK-2 Inhibitor III) is an orally active, selective, and ATP-competitive inhibitor of MAPKAP-K2 (MK-2) (IC ₅₀ of 0.85 nM)
Targets(IC ₅₀)	ERK,MAPK,MNK
In vitro	MK-2 Inhibitor III suppresses TNF α production (IC ₅₀ of 4.4 μ M, in U397 cells)[1].

Solubility Information

Solubility	DMSO: 65 mg/mL (181.37 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	2.7903 mL	13.9513 mL	27.9026 mL
5 mM	0.5581 mL	2.7903 mL	5.5805 mL
10 mM	0.279 mL	1.3951 mL	2.7903 mL
50 mM	0.0558 mL	0.279 mL	0.5581 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

Anderson DR, et al. Pyrrolopyridine inhibitors of mitogen-activated protein kinase-activated protein kinase 2 (MK-2). J Med Chem. 2007 May 31;50(11):2647-54.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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