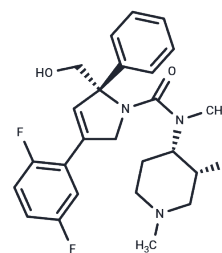


MK-0731

Chemical Properties

CAS No. : 845256-65-7
 Formula: C₂₅H₂₈F₃N₃O₂
 Molecular Weight: 459.5
 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	MK-0731, a synthetic small molecule with potential antineoplastic activity, selectively inhibits kinesin spindle protein (KSP), leading to the inhibition of mitotic spindle assembly, induction of cell cycle arrest during the mitotic phase and apoptosis in tumor cells that overexpress KSP.
Targets(IC50)	Apoptosis,Others,Kinesin,Lipoxygenase

Solubility Information

Solubility	DMSO: Soluble, H ₂ O: Insoluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1763 mL	10.8814 mL	21.7628 mL
5 mM	0.4353 mL	2.1763 mL	4.3526 mL
10 mM	0.2176 mL	1.0881 mL	2.1763 mL
50 mM	0.0435 mL	0.2176 mL	0.4353 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

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