

MSC 2032964A

Chemical Properties

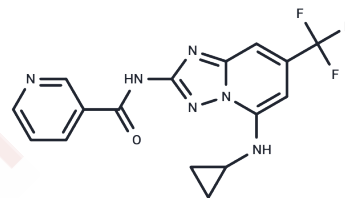
CAS No. : 1124381-43-6

Formula: C₁₆H₁₃F₃N₆O

Molecular Weight: 362.31

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	MSC 2032964A is a potent selective ASK1 inhibitor (IC ₅₀ = 93 nM) that is oral bioavailable and brain permeable. It inhibited neuroinflammation in mouse EAE models and blocked LPS-induced phosphorylation of ASK1 and p38 in cultured mouse astrocytes.
Targets(IC ₅₀)	ASK,MAPK,p38 MAPK

Solubility Information

Solubility	DMSO: 3.63 mg/mL (10.02 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	2.7601 mL	13.8003 mL	27.6007 mL
5 mM	0.552 mL	2.7601 mL	5.5201 mL
10 mM	0.276 mL	1.380 mL	2.7601 mL
50 mM	0.0552 mL	0.276 mL	0.552 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

Kawarazaki Y, Ichijo H, Naguro I. Apoptosis signal-regulating kinase 1 as a therapeutic target. Expert Opin Ther Targets. 2014 Jun;18(6):651-64.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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