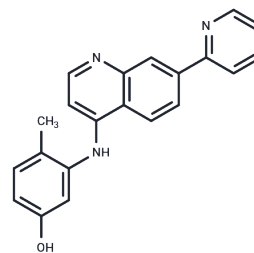


RIPK3-IN-6

Chemical Properties

CAS No. :	955879-75-1
Formula:	C ₂₁ H ₁₇ N ₃ O
Molecular Weight:	327.38
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	RIPK3-IN-6 is a potent and selective RIPK3 inhibitor (IC ₅₀ = 24 nM). It blocks the necroptosis pathway to protect against systemic inflammation and ischemia-reperfusion injury in inflammatory research.
Targets(IC ₅₀)	RIP kinase

Solubility Information

Solubility	DMSO: 25 mg/mL (76.36 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	3.0546 mL	15.2728 mL	30.5455 mL
5 mM	0.6109 mL	3.0546 mL	6.1091 mL
10 mM	0.3055 mL	1.5273 mL	3.0546 mL
50 mM	0.0611 mL	0.3055 mL	0.6109 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

Sloman DL, et al. Optimization of microtubule affinity regulating kinase (MARK) inhibitors with improved physical properties. *Bioorg Med Chem Lett.* 2016;26(17):4362-4366.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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