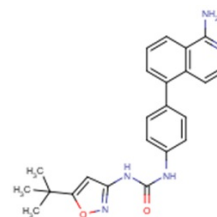


RIPK1-IN-4

Chemical Properties

CAS No.:	1481641-08-0
Formula:	C ₂₃ H ₂₃ N ₅ O ₂
Molecular Weight:	401.46
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	RIPK1-IN-4 is a potent and selective type II kinase receptor interacting protein 1 (RIP1) kinase inhibitor and binds to a DLG-out inactive form of RIP1 (IC ₅₀ s of 16 nM and 10 nM for RIP1 and ADP-Glo kinase).
Targets(IC ₅₀)	RIP1: 16 nM ADP-Glo: 10 nM

Solubility Information

Solubility	DMSO: 250 mg/mL (622.73 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.491 mL	12.455 mL	24.909 mL
5 mM	0.498 mL	2.491 mL	4.982 mL
10 mM	0.249 mL	1.245 mL	2.491 mL
50 mM	0.05 mL	0.249 mL	0.498 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Harris PA, et al. Discovery of Small Molecule RIP1 Kinase Inhibitors for the Treatment of Pathologies Associated with Necroptosis. ACS Med Chem Lett. 2013 Nov 4;4(12):1238-43.

Inhibitors · Natural Compounds · Compound Libraries

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