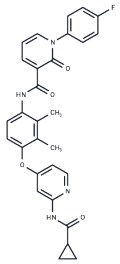
Data Sheet (Cat.No.T63544)

TargetMol

RIPK3-IN-1

Chemical Properties



CAS No. : 2361139-70-8

Formula: C29H25FN4O4

Molecular Weight: 512.53

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-1 is a selective and potent RIPK3 inhibitor (IC50: 9.1 nM) that inhibits the activities of c-Met kinase, RIPK1 and RIPK2.RIPK3-IN-1 has potential tumorigenic activity and can be used to study apoptosis.
Targets(IC50)	Apoptosis,c-Met/HGFR,RIP kinase
In vitro	RIPK3-IN-1 inhibits ABL, BRAF/V599E, MAP4K3, and SRC with IC50 values of 0.37, 0.15, 0.012, and 0.075 μM, respectively[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9511 mL	9.7555 mL	19.5111 mL
5 mM	0.3902 mL	1.9511 mL	3.9022 mL
10 mM	0.1951 mL	0.9756 mL	1.9511 mL
50 mM	0.039 mL	0.1951 mL	0.3902 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

Amy C Hart, et al. Identification of RIPK3 Type II Inhibitors Using High-Throughput Mechanistic Studies in Hit Triage. ACS Med Chem Lett. 2019 May 6;11(3):266-271.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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