

RIP1 kinase inhibitor 1

Chemical Properties

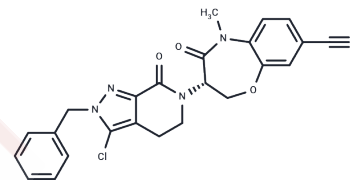
CAS No. : 2095515-38-9

Formula: C₂₄H₂₀ClN₅O₃

Molecular Weight: 461.9

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	RIP1 kinase inhibitor 1 is an orally available and brain-penetrating inhibitor of RIP1 kinase with pKi of 9.04.
Targets(IC50)	Others,RIP kinase
In vitro	RIP1 kinase inhibitor 1 strongly suppresses necroptotic cell death and phosphorylation of MLKL(pMLKL) in human colorectal adenocarcinoma HT-29 cells with IC50 of 2 nM and 1.3 nM for nectoptosis and pMLKL) as well as mouse L-cells NCTC 929 (necroptosis, IC50=15 nM; pMLKL, IC50=2.7 nM).

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.165 mL	10.8249 mL	21.6497 mL
5 mM	0.433 mL	2.165 mL	4.3299 mL
10 mM	0.2165 mL	1.0825 mL	2.165 mL
50 mM	0.0433 mL	0.2165 mL	0.433 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

Yoshikawa M, et al. Discovery of 7-Oxo-2,4,5,7-tetrahydro-6 H-pyrazolo[3,4- c]pyridine Derivatives as Potent, Orally Available, and Brain-Penetrating Receptor Interacting Protein 1 (RIP1) Kinase Inhibitors: Analysis of Structure-Kinetic Relationships. J Med Chem. 2018 Mar 22;61(6):2384-2409.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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