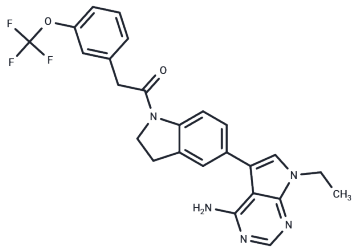
Data Sheet (Cat.No.T12731)

TargetMol
YOUR TARGET MOLECULES

RIPK1-IN-7

Chemical Properties



CAS No. : 2300982-44-7

Formula: C25H22F3N5O2

Molecular Weight: 481.47

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	RIPK1-IN-7 is a potent and selective inhibitor of RIPK1(Kd of 4 nM and an enzymatic IC50 of 11 nM),andexhibits excellent antimetastasis activity in the experimental B16 melanoma lung metastasis model.
Targets(IC50)	RIP kinase
In vitro	In the TSZ-induced HT29 cell necroptosis model, RIPK1-IN-7 shows potent cell protection effect (EC50 of 2nM). RIPK1-IN-7 displays considerable activity against several other kinases(Flt4, TrkA, TrkB, TrkC, Axl, HRI, Mer, and MAP4K5 with IC50s of 20, 26, 8, 7, 35, 26, 29, and 27 nM, respectively).

Solubility Information

Solubility	DMSO: 60 mg/mL (124.62 mM),Sonication is recommended. H2O: 0.1 mg/mL (insoluble) (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.077 mL	10.3849 mL	20.7697 mL
5 mM	0.4154 mL	2.077 mL	4.1539 mL
10 mM	0.2077 mL	1.0385 mL	2.077 mL
50 mM	0.0415 mL	0.2077 mL	0.4154 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.

Reference

Li Y, et al. Identification of 5-(2,3-Dihydro-1 H-indol-5-yl)-7 H-pyrrolo[2,3- d]pyrimidin-4-amine Derivatives as a New Class of Receptor-Interacting Protein Kinase 1 (RIPK1) Inhibitors, Which Showed Potent Activity in a Tumor

Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481