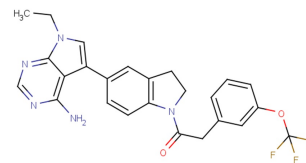


## RIPK1-IN-7

## Chemical Properties

CAS No.:	2300982-44-7
Formula:	C <sub>25</sub> H <sub>22</sub> F <sub>3</sub> N <sub>5</sub> O <sub>2</sub>
Molecular Weight:	481.47
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-7 is a potent and selective inhibitor of RIPK1 (K <sub>d</sub> of 4 nM and an enzymatic IC <sub>50</sub> of 11 nM), and exhibits excellent antimetastasis activity in the experimental B16 melanoma lung metastasis model.
Targets(IC <sub>50</sub> )	RIPK1: (K <sub>d</sub> )4 nM
In vitro	In the TSZ-induced HT29 cell necroptosis model, RIPK1-IN-7 shows potent cell protection effect (EC <sub>50</sub> of 2 nM). RIPK1-IN-7 displays considerable activity against several other kinases (Flt4, TrkA, TrkB, TrkC, Axl, HRI, Mer, and MAP4K5 with IC <sub>50</sub> s of 20, 26, 8, 7, 35, 26, 29, and 27 nM, respectively).

## Solubility Information

Solubility	DMSO: 62.5 mg/mL (129.81 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.077 mL	10.385 mL	20.77 mL
5 mM	0.415 mL	2.077 mL	4.154 mL
10 mM	0.208 mL	1.038 mL	2.077 mL
50 mM	0.042 mL	0.208 mL	0.415 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. 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 Metastasis Model. J Med Chem. 2018 Dec 27;61(24):11398-11414.

Inhibitors · Natural Compounds · Compound Libraries

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