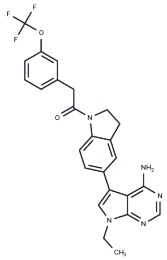
# Data Sheet (Cat.No.T12731)

TargetMol

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 enzymatic IC50 of 11 nM), exhibiting 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.<br>H2O: 0.1 mg/mL (insoluble)<br>(< 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 Metastasis Model. J Med Chem. 2018 Dec 27;61(24):11398-11414.

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