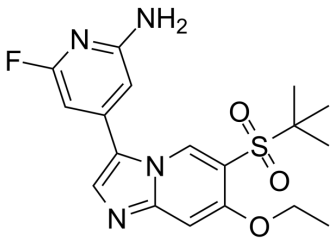
RIPK-IN-4

Cat. No.:	HY-107978
CAS No.:	2141969-56-2
Molecular Formula:	$C_{18}H_{21}FN_4O_3S$
Molecular Weight:	392.45
Target:	RIP kinase
Pathway:	Apoptosis
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 2 years -20°C 1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 31.25 mg/mL (79.63 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.5481 mL	12.7405 mL	25.4810 mL
	5 mM	0.5096 mL	2.5481 mL	5.0962 mL
	10 mM	0.2548 mL	1.2740 mL	2.5481 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 3.13 mg/mL (7.98 mM); Clear solution

BIOLOGICAL ACTIVITY

Description	RIPK-IN-4 is a potent and selective RIPK2 inhibitor with excellent oral bioavailability, and has an IC_{50} of 3 nM[1].
IC_{50} & Target	IC50: 3 nM (RIPK2)[1]

REFERENCES

[1]. He X, et al. Identification of Potent and Selective RIPK2 Inhibitors for the Treatment of Inflammatory Diseases. ACS Med Chem Lett. 2017 Sep 27;8(10):1048-1053.

Caution: Product has not been fully validated for medical applications. For research use only.

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