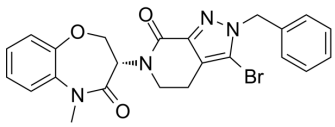
TP-030-2

Cat. No.:	HY-148239
CAS No.:	2095514-84-2
Molecular Formula:	$C_{23}H_{21}BrN_4O_3$
Molecular Weight:	481.34
Target:	RIP kinase; Ser/Thr Protease
Pathway:	Apoptosis; Metabolic Enzyme/Protease
Storage:	4°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (207.75 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.0775 mL	10.3877 mL	20.7753 mL
	5 mM	0.4155 mL	2.0775 mL	4.1551 mL
	10 mM	0.2078 mL	1.0388 mL	2.0775 mL

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

BIOLOGICAL ACTIVITY

Description

TP-030-2 is a RIPK1 inhibitor (human K_i=0.43 nM; mouse IC_{50}=100 nM)[1][2].

In Vitro

TP-030-2 shows inhibiton in HT29 with IC_{50}=1.3 nM[2].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. 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.

[2]. https://www.sgc-ffm.uni-frankfurt.de/#!specificprobeoverview/TP-030-2

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

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