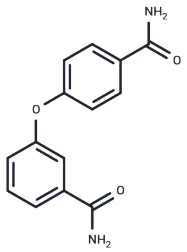
Data Sheet (Cat.No.T67932)

TargetMol

PARP10-IN-3

Chemical Properties



CAS No. : 2225800-19-9

Formula: C14H12N2O3

Molecular Weight: 256.26

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	PARP10-IN-3 is a potent and selective mono-Adp-ribotransferase PARP10 inhibitor that inhibits human PARP10 (IC50:480 nM). PARP10-IN-3 also inhibited human PARP2 and human PARP15 with IC50 values of 1.7 μM.
Targets(IC50)	PARP
In vitro	PARP10-IN-3 exhibits an IC50 of 1-2 μM in HeLa-PARP10 cells as determined by colony formation assay (CFA).[1]

Solubility Information

Solubility	DMSO: 9 mg/mL (35.12 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.9023 mL	19.5114 mL	39.0229 mL
5 mM	0.7805 mL	3.9023 mL	7.8046 mL
10 mM	0.3902 mL	1.9511 mL	3.9023 mL
50 mM	0.078 mL	0.3902 mL	0.7805 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Korn P, et al. Evaluation of 3- and 4-Phenoxybenzamides as Selective Inhibitors of the Mono-ADP-Ribosyltransferase PARP10. ChemistryOpen. 2021;10(10):939-948.

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