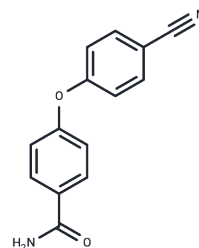


PARP10-IN-2

Chemical Properties

CAS No. :	1042780-52-8
Formula:	C ₁₄ H ₁₀ N ₂ O ₂
Molecular Weight:	238.24
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-2 is a potent inhibitor of PARP10, a mono-ADP-ribosyltransferase, with an IC ₅₀ value of 3.64 μM for human PARP10. It also inhibits PARP2 and PARP15, with IC ₅₀ values of 27 μM and 11 μM, respectively.
Targets(IC ₅₀)	PARP
In vitro	PARP10-IN-2 (Compound 10) has an IC ₅₀ of 1-2 μM by clonogenic assay (CFA) in HeLa-PARP10 cells.[1]

Solubility Information

Solubility	DMSO: 225 mg/mL (944.43 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.1974 mL	20.9872 mL	41.9745 mL
5 mM	0.8395 mL	4.1974 mL	8.3949 mL
10 mM	0.4197 mL	2.0987 mL	4.1974 mL
50 mM	0.0839 mL	0.4197 mL	0.8395 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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