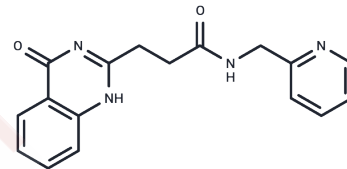


ARTD3/PARP3-IN-1

Chemical Properties

CAS No. :	730949-09-4
Formula:	C17H16N4O2
Molecular Weight:	308.33
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	ARTD3/PARP3-IN-1 is a potent and selective PARP3 inhibitor. It modulates DNA double-strand break repair responses via MARYlation, used for genome stability and cell stress research.
Targets(IC50)	PARP
In vitro	ARTD3/PARP3-IN-1 inhibits human PARP3/ARTD3, serving as a tool to study its role in DNA repair and cellular homeostasis [1].

Solubility Information

Solubility	DMSO: 40 mg/mL (129.73 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	3.2433 mL	16.2164 mL	32.4328 mL
5 mM	0.6487 mL	3.2433 mL	6.4866 mL
10 mM	0.3243 mL	1.6216 mL	3.2433 mL
50 mM	0.0649 mL	0.3243 mL	0.6487 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

Masaki. Nakajima, et al. Liquid chromatography of alkali and alkaline earth metal salts on poly(benzo-15-crown-5)- and bis(benzo-15-crown-5)-modified silicas. Anal. Chem. 1983, 55, 3, 463-467

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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