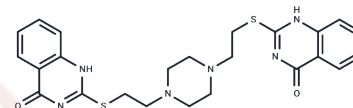


TNKS-2-IN-3

Chemical Properties

CAS No. :	2580941-64-4
Formula:	C ₂₄ H ₂₆ N ₆ O ₂ S ₂
Molecular Weight:	494.63
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	TNKS-2-IN-3 (Compound 5) is a selective and competitive inhibitor of Tankyrase 2 (TNKS2), with an IC ₅₀ value of 0.3 nM. It exhibits over 20-fold selectivity for TNKS2 compared to TNKS1 and more than 100-fold selectivity over PARP1/2. By inhibiting TNKS2-mediated ADP ribosylation, TNKS-2-IN-3 stabilizes axin and suppresses the Wnt/ β -catenin pathway, demonstrating antiproliferative activity in colorectal cancer cells. TNKS-2-IN-3 holds potential for research in solid tumors with aberrant Wnt pathway activation, such as colorectal cancer.
Targets(IC ₅₀)	PARP

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0217 mL	10.1086 mL	20.2171 mL
5 mM	0.4043 mL	2.0217 mL	4.0434 mL
10 mM	0.2022 mL	1.0109 mL	2.0217 mL
50 mM	0.0404 mL	0.2022 mL	0.4043 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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