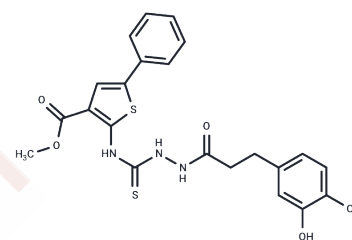


Zelplib

Chemical Properties

CAS No. :	701932-26-5
Formula:	C ₂₂ H ₂₁ N ₃ O ₅ S ₂
Molecular Weight:	471.55
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Zelplib is a specific inhibitor of DNA polymerase δ (Pol δ), thereby inhibiting DNA replication and DNA double-strand break homologous recombination repair. It exhibits antiproliferative activity in triple-negative breast cancer cell lines, pancreatic cancer cell lines, and platinum-resistant pancreatic cancer cell lines.
Targets(IC50)	DNA/RNA Synthesis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1207 mL	10.6033 mL	21.2067 mL
5 mM	0.4241 mL	2.1207 mL	4.2413 mL
10 mM	0.2121 mL	1.0603 mL	2.1207 mL
50 mM	0.0424 mL	0.2121 mL	0.4241 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

Mishra B, Zhang S, Zhao H, et al. Discovery of a novel DNA polymerase inhibitor and characterization of its antiproliferative properties. *Cancer Biol Ther.* 2019;20(4):474-486.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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