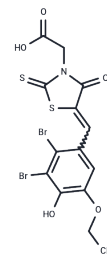


Topoisomerase I/II inhibitor 8

Chemical Properties

CAS No. :	355400-87-2
Formula:	C14H11Br2NO5S2
Molecular Weight:	497.179
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	Topoisomerase I/II inhibitor 8 (Compound Ru7) is a dual catalytic inhibitor of Topoisomerase I/II that induces DNA damage and activates PARP-1, leading to the activation of RIPK1, RIPK3, and MLKL, ultimately causing necroptosis. It shows significant anticancer activity by effectively targeting cancer cell nuclei and inducing cell death through necroptosis, offering substantial clinical potential in overcoming resistance in cancer treatment.
Targets(IC50)	MLK,Necroptosis,PARP,RIP kinase,Topoisomerase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0113 mL	10.0567 mL	20.1134 mL
5 mM	0.4023 mL	2.0113 mL	4.0227 mL
10 mM	0.2011 mL	1.0057 mL	2.0113 mL
50 mM	0.0402 mL	0.2011 mL	0.4023 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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