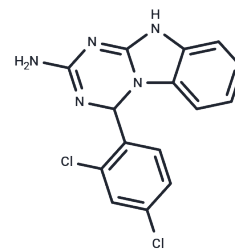


Topoisomerase II inhibitor 14

Chemical Properties

CAS No. :	305343-00-4
Formula:	C ₁₅ H ₁₁ Cl ₂ N ₅
Molecular Weight:	332.19
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 II inhibitor 14 is a potent topoisomerase II inhibitor with anticancer and antioxidant activities. Topoisomerase II inhibitor 14 induces apoptosis and blocks the cell cycle in S phase. Topoisomerase II inhibitor 14 reduces the amount of GSH, MDA and NO. Topoisomerase II inhibitor 14 reduces the amount of GSH, MDA and NO.
Targets(IC50)	Apoptosis, Antioxidant, NO Synthase, Topoisomerase

Solubility Information

Solubility	DMSO: 3.87 mg/mL (11.65 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	3.0103 mL	15.0516 mL	30.1033 mL
5 mM	0.6021 mL	3.0103 mL	6.0207 mL
10 mM	0.301 mL	1.5052 mL	3.0103 mL
50 mM	0.0602 mL	0.301 mL	0.6021 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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