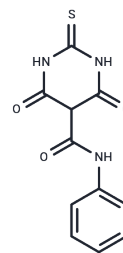


Merbarone

Chemical Properties

CAS No. :	97534-21-9
Formula:	C ₁₁ H ₉ N ₃ O ₃ S
Molecular Weight:	263.27
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Merbarone is a Type II DNA topoisomerase inhibitor. Merbarone inhibits the catalytic activity of human topoisomerase IIalpha by blocking DNA cleavage. Merbarone induces activation of caspase-activated DNase and excision of chromosomal DNA loops from the nuclear matrix. Merbarone induces apoptosis in CEM cells through activation of ICE/CED-3-like protease.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7984 mL	18.9919 mL	37.9838 mL
5 mM	0.7597 mL	3.7984 mL	7.5968 mL
10 mM	0.3798 mL	1.8992 mL	3.7984 mL
50 mM	0.076 mL	0.3798 mL	0.7597 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.

Reference

Spallarossa A, Rotolo C, Sissi C, Marson G, Greco ML, Ranise A, La Colla P, Busonera B, Loddo R. Further SAR studies on bicyclic basic merbarone analogues as potent antiproliferative agents. *Bioorg Med Chem*. 2013 Nov 1;21(21):

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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