

12-Ethyl-9-hydroxycamptothecin

Chemical Properties

CAS No. : 119577-28-5

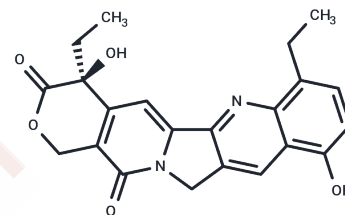
Formula: C₂₂H₂₀N₂O₅

Molecular Weight: 392.41

Storage: Keep away from direct sunlight, Store at low temperature, Keep away from moisture

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	12-Ethyl-9-hydroxycamptothecin (SN38) is the active metabolite of irinotecan, a topoisomerase I inhibitor, with potential anticancer activity for use in the study of colon and rectal cancer.
Targets(IC50)	Topoisomerase

Solubility Information

Solubility	DMSO: 80 mg/mL (203.87 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	2.5484 mL	12.7418 mL	25.4836 mL
5 mM	0.5097 mL	2.5484 mL	5.0967 mL
10 mM	0.2548 mL	1.2742 mL	2.5484 mL
50 mM	0.051 mL	0.2548 mL	0.5097 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

Luzzio MJ, et al. Synthesis and antitumor activity of novel water soluble derivatives of camptothecin as specific inhibitors of topoisomerase I. J Med Chem. 1995 Feb 3;38(3):395-401.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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