

9-Hydroxycamptothecin

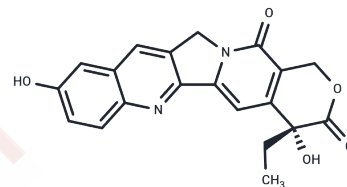
Chemical Properties

CAS No. : 67656-30-8

Formula: C₂₀H₁₆N₂O₅

Molecular Weight: 364.35

Storage: Keep away from direct sunlight, Store at low temperature, Store under nitrogen
 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	9-Hydroxycamptothecin is a camptothecin derivative with anticancer activity.
Targets(IC50)	Topoisomerase

Solubility Information

Solubility	H ₂ O: Insoluble, DMSO: 8 mg/mL (21.96 mM), Heating is recommended. Ethanol: Insoluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7446 mL	13.7231 mL	27.4461 mL
5 mM	0.5489 mL	2.7446 mL	5.4892 mL
10 mM	0.2745 mL	1.3723 mL	2.7446 mL
50 mM	0.0549 mL	0.2745 mL	0.5489 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

Dennis P. Curran David Bom. Synthesis of and intermediates for camptothecins. WO1999001456A1.

Zhang T, Tian E, Xiong Y, et al. Development of a RNA-protein complex based smart drug delivery system for 9-hydroxycamptothecin. International Journal of Biological Macromolecules. 2024: 133871.

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