Data Sheet (Cat.No.T4S1951)



10-Methoxycamptothecin

Chemical Properties

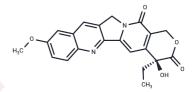
CAS No.: 19685-10-0

Formula: C21H18N2O5

Molecular Weight: 378.38

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	10-Methoxycamptothecin is a natural bioactive derivative of camptothecin (CPT) isolated from Camptotheca acuminata and possesses high anti-cancer properties.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 8 mg/mL (21.14 mM),Sonication is recommended.	
(€)	(< 1 mg/ml refers to the product slightly soluble or insoluble)	

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6428 mL	13.2142 mL	26.4285 mL
5 mM	0.5286 mL	2.6428 mL	5.2857 mL
10 mM	0.2643 mL	1.3214 mL	2.6428 mL
50 mM	0.0529 mL	0.2643 mL	0.5286 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

Zheng J, et al. Development and validation of a RP-HPLC method with fluorescence detection for simultaneous determination of 10-methoxycamptothecin and its metabolite 10-hydroxycamptothecin in rat plasma. J

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