

Product Datasheet

Camptothecin (orb1309690)

Catalog Number	orb1309690
Category	Small Molecules
Description	Camptothecin is a natural alkaloid and potent topoisomerase I inhibitor (IC ₅₀ =679 nM) with established antitumor activity. It is widely used in cancer research to induce apoptosis in both in vitro cell studies and in vivo tumor models.
Target	Topoisomerase
Form/Appearance	powder
Purity	>98%
MW	348.4
Biological Activity	Topoisomerase I inhibitor
Target Areas	Antibiotic ADC Cytotoxin Apoptosis MicroRNA Influenza Virus Antifungal Topoisomerase
Solubility (25°C)	Soluble in DMSO (up to 5 mg/ml).
CAS Number	7689-03-4
Formula	C ₂₀ H ₁₆ N ₂ O ₄
SMILES	<chem>C(C)[C@]1(O)C2=C(C(=O)N3C(=C2)C=4C(C3)=CC=5C(N4)=CC=CC5)COC1=O</chem>
Chemical Name	(S)-4-Ethyl-4-hydroxy-1H-pyrano-[3',4':6,7]indolizino[1,2-b]quinoline-3,14(4H,12H)-dione
Storage	-20°C

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Note For research use only

Expiration Date 12 months from date of receipt.

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