

Product Datasheet

Irinotecan (orb1300959)

Catalog Number	orb1300959
Category	Small Molecules
Description	Irinotecan (CPT-11) is a camptothecin-derived topoisomerase I inhibitor used in cancer research. It induces lethal double-strand DNA breaks by stabilizing the Topo I-DNA complex. This mechanism underpins its application in studying colorectal and other cancers in both in vitro and in vivo experimental models.
Target	Autophagy,Topoisomerase
Purity	98.00% (May vary between batches)
MW	586.68
Target Areas	Topoisomerase Autophagy
Solubility (25°C)	DMSO:11 mg/mL (18.75 mM);10% DMSO+40% PEG300+5% Tween 80+45% Saline:3.2 mg/mL (5.45 mM)
CAS Number	97682-44-5
Formula	C ₃₃ H ₃₈ N ₄ O ₆
SMILES	<chem>CCc1c2Cn3c(cc4c(COC(=O)[C@]4(O)CC)c3=O)-c2nc2ccc(OC(=O)N3CCC(CC3)N3CCCCC3)cc12</chem>
Storage	-20°C
Note	For research use only
Expiration Date	12 months from date of receipt.

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