

Product Datasheet

Taxol (orb1310120)

Catalog Number	orb1310120
Category	Small Molecules
Description	Paclitaxel is a natural, microtubule-stabilizing compound with potent anti-tumor activity. It induces cell death through mitotic arrest, apoptosis, and autophagy, making it a critical tool for cancer research in both in vitro cell studies and in vivo xenograft models.
Target	Cytoskeleton
Form/Appearance	powder
Purity	>98%
MW	853.9
Biological Activity	Microtubule stabilizing agent
Target Areas	Apoptosis ADC Cytotoxin Microtubule Associated Autophagy
Solubility (25°C)	Soluble in DMSO (up to 25 mg/ml) or in Ethanol (up to 20 mg/ml)
CAS Number	33069-62-4
Formula	$C_{47}H_{51}NO_{14}$
SMILES	<chem>CC(=O)O[C@@H]1C2=C(C)[C@H](C[C@@](O)([C@@H](OC(=O)c3ccccc3)[C@@H]3[C@@]4(CO[C@@H]4C[C@H](O)[C@@]3(C)C1=O)OC(C)=O)C2(C)C)OC(=O)[C@@H](O)[C@@H](NC(=O)c1ccccc1)c1ccccc1</chem>
Storage	-20°C
Note	For research use only

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Expiration Date

12 months from date of receipt.

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