

Product Datasheet

Rifamycin S (orb1299013)

Catalog Number	orb1299013
Category	Small Molecules
Description	Rifamycin S is a quinone antibiotic that inhibits DNA-dependent RNA polymerase, exhibiting potent activity against Gram-positive bacteria. It is widely used in biochemical research to study transcription mechanisms and bacterial inhibition in both in vitro and cell-based assays.
Target	ROS,Reactive Oxygen Species,Antibacterial,Antibiotic
Purity	98.74% (May vary between batches)
MW	695.75
Target Areas	ROS Reactive Oxygen Species Antibacterial Antibiotic
Solubility (25°C)	DMSO:250 mg/mL (359.32 mM)
CAS Number	13553-79-2
Formula	C ₃₇ H ₄₅ NO ₁₂
SMILES	<chem>CO[C@H]1\C=C/O[C@@]2(C)Oc3c(C2=O)c2C(=O)C=C(NC(=O)\C(C)=C/C=C\[C@H](C)C(O)[C@@H](C)[C@@H](O)[C@@H](C)[C@H](OC(C)=O)[C@@H]1C)C(=O)c2c(O)c3C</chem>
Storage	-20°C
Note	For research use only
Expiration Date	12 months from date of receipt.

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