

Product Datasheet

Rifabutin (orb1308428)

Catalog Number	orb1308428
Category	Small Molecules
Description	Rifabutin is a semisynthetic ansamycin antibiotic that potently inhibits bacterial DNA-dependent RNA polymerase, blocking transcription initiation. It is widely used in antimycobacterial research, including in vitro susceptibility assays and in vivo models for studying tuberculosis and MAC infections.
Target	DNA/RNA Synthesis,HSP,Antibiotic,Antibacterial
Purity	98.87% (May vary between batches)
MW	847.00
Target Areas	Antibacterial Antibiotic DNA/RNA Synthesis HSP
Solubility (25°C)	DMSO:50 mg/mL (59.03 mM);Ethanol:38 mg/mL (44.86 mM);10% DMSO+40% PEG300+5% Tween 80+45% Saline:2 mg/mL (2.36 mM)
CAS Number	72559-06-9
Formula	C ₄₆ H ₆₂ N ₄ O ₁₁
SMILES	<chem>CO[C@H]1\C=C/O[C@@]2(C)Oc3c(C2=O)c2C4=NC5(CCN(CC(C)C)CC5)NC4=C(NC(=O)\C(C)=C/C=C[C@H](C)[C@H](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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