

Product Datasheet

Rifabutin-d7 (orb2300082)

Catalog Number	orb2300082
Category	Small Molecules
Description	Rifabutin-d7 is a deuterated derivative of the semisynthetic ansamycin antibiotic Rifabutin (CAS 72559-06-9). It potently inhibits bacterial DNA-dependent RNA polymerase, blocking RNA synthesis. This compound is widely used in antimicrobial research, including in vitro susceptibility assays and in vivo models of mycobacterial infection.
MW	854.05
Formula	C ₄₆ H ₅₅ D ₇ N ₄ O ₁₁
SMILES	<chem>C[C@H]1C=CC=C(C)C(NC2=C(O)C3=C(C4=NC5(N=C24)CCN(CC(C([2H]))([2H]))[2H])([2H])C([2H])([2H])[2H])CC5)C6=C(O[C@@](OC=C[C@H](OC)[C@@H](C)[C@@H](OC(C)=O)[C@H](C)[C@H](O)[C@H](C)[C@H]1O)(C)C6=O)C(C)=C3O)=O</chem>
Storage	-20°C
Note	For research use only
Expiration Date	12 months from date of receipt.

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