

Product Datasheet

Pacidamycin I (orb1986887)

Catalog Number	orb1986887
Category	Small Molecules
Description	Pacidamycin I is a nucleoside antibiotic that acts as a potent inhibitor of translocase I (MraY), a critical enzyme in bacterial peptidoglycan biosynthesis. This mechanism supports its application in researching novel antibacterial strategies, with studies demonstrating activity against <i>Pseudomonas aeruginosa</i> in both in vitro and in vivo models.
Target	Others,Antibiotic,Antibacterial
MW	874.909
CAS Number	121264-05-9
Formula	C ₄₁ H ₅₀ N ₁₀ O ₁₂
SMILES	<chem>C[C@H](N)C(=O)N[C@@H](Cc1cccc(O)c1)C(=O)N(C)[C@@H](C)[C@H](NC(=O)[C@H](C)NC(=O)N[C@@H](Cc1c[nH]c2cccc12)C(O)=O)C(=O)N\C=C1/[C@@H](O)[C@@H](O1)n1ccc(=O)[nH]c1=O</chem>
Storage	-20°C
Note	For research use only
Expiration Date	12 months from date of receipt.

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