

Product Datasheet

Polymyxin B nonapeptide (orb1679724)

Catalog Number	orb1679724
Category	Proteins
Description	Polymyxin B nonapeptide is a cationic cyclic derivative of polymyxin B that disrupts the outer membrane of Gram-negative bacteria by binding to LPS. This permeabilizing action enhances the efficacy of hydrophobic antibiotics in both in vitro and in vivo research models for studying antimicrobial resistance and combination therapies.
Target	Antibacterial, Antibiotic
MW	963.13
CAS Number	86408-36-8
Formula	C ₄₃ H ₇₄ N ₁₄ O ₁₁
SMILES	<chem>C([C@@H]1C(=O)N[C@@H](CC(C)C)C(=O)N[C@@H](CCN)C(=O)N[C@@H](CCN)C(=O)N[C@@H]([C@@H](C)O)(C(=O)NCC[C@H](NC([C@@H](NC([C@H]([C@@H](C)O)N)=O)CCN)=O)C(=O)N[C@@H](CCN)C(=O)N1)[H])C2=CC=CC=C2</chem>
Storage	-20°C
Note	For research use only
Expiration Date	12 months from date of receipt.

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