

Product Datasheet

K11 (orb2277096)

Catalog Number	orb2277096
Category	Proteins
Description	K11 is a thermally and pH-stable antimicrobial peptide active against multidrug-resistant <i>Klebsiella pneumoniae</i> , with MIC values from 8-512 µg/mL. It disrupts biofilm formation and exhibits synergistic effects with several antibiotics, supporting its investigation for novel anti-infective strategies in both in vitro and in vivo research contexts.
Target	Antibacterial
MW	2493.09
CAS Number	1398109-79-9
Formula	C ₁₂₃ H ₁₉₈ N ₃₂ O ₂₃
SMILES	<chem>C([C@@H](C(N[C@H](C(N[C@H](C(N[C@@H](CC1=CC=CC=C1)C(N[C@H](C(N[C@@H](C(N[C@H](C(N[C@H](C(N[C@H](C(N[C@@H](CC2=CC=CC=C2)C(N[C@H](C(N[C@@H](CC3=CN=CN3)C(N[C@H](C(N[C@H](C(N[C@H](C(N[C@@H](CC4=CC=CC=C4)C(N)=O)=O)CCCCN)=O)CCCCN)=O)C)=O)CO)=O)=O)CC(C)C)=O)=O)CCCCN)=O)CCCCN)=O)[C@@H](C)O)=O)CC(C)C)=O)CCCCN)=O)CCCCN)=O)[C@H](CC)C)=O)=O)CO)=O)CCCCN)=O)NC([C@H](C(CCCN)N)=O)C=5C=6C(NC5)=CC=CC6</chem>
Storage	-20°C
Note	For research use only
Expiration Date	12 months from date of receipt.

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