

Product Datasheet

Drosocin (orb2277230)

Description	Drosocin, a 19-mer cationic antimicrobial peptide from <i>Drosophila melanogaster</i> , displays biological activity. Native drosocin features a disaccharide moiety linked to a mid-chain threonine residue, whereas the synthetic variant, which maintains the identical amino acid sequence but lacks the disaccharide, exhibits significantly reduced activity compared to the natural form.
Storage	-20°C
Note	For research use only
Formula	C ₉₈ H ₁₆₀ N ₃₄ O ₂₄
Purity	98.00%
MW	2198.53
CAS Number	149924-99-2
SMILES	<chem>C([C@H](CC1=CN=CN1)NC([C@@H](NC([C@@H](NC(=O)[C@H]2N(C([C@@H](NC(=O)[C@H]3N(C([C@@H](NC([C@@H](NC(=O)[C@H]4N(C([C@@H](NC(=O)[C@H]5N(C([C@H](CCCCN)NC(CN)=O)=O)CCC5)CCCNC(=N)N)=O)CCC4)CC6=CC=C(O)C=C6)=O)CO)=O)CCC3)CCCNC(=N)N)=O)CCC2)[C@@H](C)O)=O)CO)=O)(=O)N7[C@H](C(N[C@H](C(=O)N8[C@H](C(N[C@H](C(N[C@H](C(N[C@H](C(N[C@@H]([C@H](C)C(O)=O)=O)CCCNC(=N)N)=O)[C@H](CC)C)=O)CCC8)CCCNC(=N)N)=O)CCC7</chem>
Expiration Date	12 months from date of receipt.

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