

Product Datasheet

Nisin (orb1679732)

Catalog Number	orb1679732
Category	Proteins
Description	Nisin
Target	Antibacterial,Antibiotic
MW	3354.07
Target Areas	Antibacterial Antibiotic
Solubility (25°C)	DMSO:1 mg/mL (0.3 mM);H2O: 0.1 mg/mL (insoluble)
CAS Number	1414-45-5
Formula	$C_{143}H_{230}N_{42}O_{37}S_7$
SMILES	<chem>O=C1N2[C@@](CCC2)(C(=O)NCC(=O)N[C@H](C(N[C@H](C(N[C@@H]3[C@H](C)SC[C@@H](C(N[C@H](C(N[C@H](C(N[C@@H]4[C@H](C)SC[C@]5(C(=O)N[C@@H](CC6=CN=CN6)C(=O)N[C@H](C(N[C@H](C(N[C@@H](CC7=CN=CN7)C(N[C@H](C(NC(C(N[C@@H](CCCCN)C(O)=O)=O)=C)=O)[C@H](C)C)=O)=O)[C@H](CC)C)=O)CO)=O)CS[C@@H](C)[C@@](NC(=O)[C@H](C)NC4=O)(C(=O)N5)[H])[H])=O)CCCCN)=O)CCSC)=O)CC(N)=O)=O)NC(=O)CNC(=O)[C@H](CCSC)NC(=O)[C@H](CC(C)C)NC(=O)[C@H](C)NC(=O)CNC3=O)=O)CCCCN)=O)CS[C@@H](C)[C@H]1NC(=O)[C@H]8NC(=O)[C@H](CC(C)C)NC(=O)C(=C)NC(=O)[C@]([C@H](CC)C)(NC(=O)[C@H](NC(/C/N([C@H]([C@H](CC)C)N)=O)=C/C)=O)CSC8)[H])[H]</chem>
Storage	keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year Shipping with blue ice/Shipping at ambient temperature.
Note	For research use only
Expiration Date	12 months from date of receipt.

Biorbyt Ltd.

7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

Email: info@biorbyt.com, support@biorbyt.com
Phone: +44 (0)1223 859353 | Fax: +1 (415) 651-8558

Biorbyt LLC

68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713-2847
United States

Email: info@biorbyt.com, support@biorbyt.com
Phone: +1 (415) 906-5211 | Fax: +1 (415) 651-8558