

Product Datasheet

Nisin (orb1219843)

Catalog Number	orb1219843
Category	Small Molecules
Description	Nisin A is an antibacterial peptide. It is produced by the lactic acid bacterium <i>L. lactis</i> using uncommon amino acids, including lanthionine, and is a member of the class of antibiotics referred to as lantibiotics. Nisin is classified as a Type A (I) lantibiotic that is synthesized from mRNA and the translated peptide contains several unusual amino acids due to post-translational modifications. Nisin is an antimicrobial peptide produced by certain Gram-positive bacteria that include <i>Lactococcus</i> and <i>Streptococcus</i> species. (In Vitro): Nisin is classified as a Type A (I) lantibiotic that is synthesized from mRNA and the translated peptide contains several unusual amino acids due to post-translational modifications. Nisin is an antimicrobial peptide produced by certain Gram-positive bacteria that include <i>Lactococcus</i> and <i>Streptococcus</i> species.
Target	Antibacterial
Purity	>98% (HPLC)
MW	3354.07
Target Areas	Antibiotic Bacterial
Solubility (25°C)	DMSO:1 mg/mL (0.30 mM; Need ultrasonic)
CAS Number	1414-45-5
Formula	$C_{143}H_{230}N_{42}O_{37}S_7$
Storage	Storage temperature: -20°C. Stability: ≥ 2 years
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