

Product Datasheet

Nisin Z (orb1981185)

Catalog Number	orb1981185
Category	Proteins
Description	Nisin Z is a research compound that attenuates inflammation by suppressing the ERK1/2 and p38 MAPK pathways. It has demonstrated efficacy in reducing pro-inflammatory cytokine release in models such as LPS-induced mastitis, making it relevant for studying inflammatory diseases in both cellular and animal systems.
Target	p38 MAPK,ERK,Antibacterial,Antifungal
MW	3331.03
Target Areas	Antifungal ERK Antibacterial p38 MAPK
Solubility (25°C)	H2O:8 mg/mL (2.4 mM);DMSO:1 mg/mL (0.3 mM)
CAS Number	137061-46-2
Formula	C ₁₄₁ H ₂₂₉ N ₄₁ O ₃₈ S ₇
SMILES	O=C(NC(C(=O)O)CCCCN)C(=C)NC(=O)C(NC(=O)C(NC(=O)C(NC(=O)C(NC(=O)C1NC(=O)C(NC(=O)C2NC(=O)C(NC(=O)C(NC(=O)C(NC(=O)C(NC(=O)C(NC(=O)C(NC(=O)C3NC(=O)CNC(=O)C(NC(=O)C(NC(=O)C(NC(=O)CNC(=O)C(NC(=O)C(NC(=O)C4NC(=O)CNC(=O)C5N(C(=O)C(NC(=O)C6NC(=O)C(NC(=O)C(=C)NC(=O)C(NC(=O)C(NC(=O)C(=CC)NC(=O)C(N)C(C)CC)CSC6)C(C)CC)CC(C)C)C(SC4)C)CCC5)CCCCN)C(SC3)C)C)CC(C)C)CCSC)CC(=O)N)CCSC)CCCCN)C(SC2)C)C)C(SC1)C)CC(=O)N)CO)C(C)CC)CC7=CN=CN7)C(C)C
Storage	-20°C
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