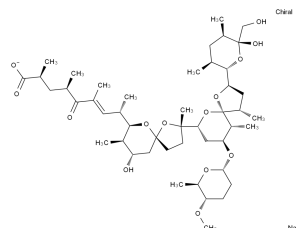


Product Name	: Nanchangmycin
Synonyms	: Nanchangmycin A
Cat No.	: M15472
CAS Number	: 65101-87-3
Molecular Formula	: C ₄₇ H ₇₇ NaO ₁₄
Formula Weight	: 889.10
Chemical Name	: 6-Nonenoic acid, 8-[(2S,2'R,4'S,5R,5'S,7R,7'R,8R,9S,9'S,10'R)-9-hydroxy-2,4',8,10'-tetramethyl-2'-[(2S,3S,5R,6R)-tetrahydro-6-hydroxy-6-(hydroxymethyl)-3,5-dimethyl-2H-pyran-2-yl]-9'-[[[(2S,5S,6R)-tetrahydro-5-methoxy-6-methyl-2H-pyran-2-yl]oxy][2,7'-bi-1,
Description	: A polyether ionophore antibiotic isolated from <i>Streptomyces nanchangensis</i> NS3226 that shows antibacterial and antiviral properties; A potent inhibitor of Zika virus entry, also is active against other medically relevant viruses, including West Nile, dengue, and chikungunya viruses.
Pathway	: GPCR/G Protein
Target	: Antibacterial
Receptor	: Others
Solubility	: DMSO: ≥ 26 mg/mL
SMILES	: <chem>CCCCCCCC(=O)[O-].[Na+].C[C@H]1([C@@H](O1)[C@H](C)[C@@H](O)C[C@@H]21CC[C@@H](C)([C@@H](C[C@H](OC3O[C@H](C)[C@@H](OC)CC3)[C@H]4C)O[C@H]5[C@@H](C)C[C@H]([C@H]6O[C@H](CO)(O)[C@H](C)C[C@@H]6C)O5)O2)/C=C(C)/C[C@H](C)C[C@H](C)C([O-])=O.[Na+]</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



1. Liu T, et al. Chem Biol. 2008 May;15(5):449-58.| 2. Liu T, et al. Chem Biol. 2006 Sep;13(9):945-55.| 3. Rausch K, et al. Cell Rep. 2017 Jan 17;18(3):804-815.