

Product Datasheet

Filipin complex (orb1992856)

Catalog Number	orb1992856
Category	Small Molecules
Description	Filipin complex is a 28-membered macrolide antifungal antibiotic produced by Streptomyces species. It inhibits PRRSV viral entry into host cells and is widely used in research to study cholesterol-dependent membrane processes and viral infection mechanisms in vitro.
Target	Antibiotic,Antifungal
Purity	97.00% (May vary between batches)
MW	1916.517
Target Areas	Antibiotic Antifungal
Solubility (25°C)	DMSO:100 mg/mL;Ethanol:25 mg/mL;10% DMSO+40% PEG300+5% Tween 80+45% Saline:4 mg/mL
CAS Number	11078-21-0
Formula	C ₁₀₅ H ₁₇₄ O ₃₀
SMILES	CCCCC[C@@H]1[C@@H](O)C[C@@H](O)C[C@@H](O)C[C@@H](O)C[C@@H](O)C[C@@H](O)C[C@@H](O)C[C@@H](O)\C(C)=C\C=C\C=C\C=C\C=C\C[C@@H](C)OC1=O.CCCCC[C@@H]1[C@@H](O)C[C@@H](O)C[C@@H](O)C[C@@H](O)C[C@@H](O)C[C@@H](O)C[C@@H](O)C[C@@H](O)C[C@@H](O)\C(C)=C\C=C\C=C\C=C\C=C\C[C@@H](O)[C@@H](C)OC1=O.CCC[C@@H](O)[C@@H]1[C@@H](O)C[C@@H](O)C[C@@H](O)C[C@@H](O)C[C@@H](O)C[C@@H](O)C[C@@H](O)C[C@@H](O)C[C@@H](O)\C(C)=C\C=C\C=C\C=C\C=C\C[C@@H](O)[C@@H](C)OC1=O t:28,30,32,34,36,72,74,76,78,80,118,120,122,124,126
Storage	-20°C
Note	For research use only

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Expiration Date 12 months from date of receipt.

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