

Product Datasheet

Tiamulin (orb1299252)

Catalog Number	orb1299252
Category	Small Molecules
Description	Tiamulin is a semisynthetic derivative of the pleuromutilin class of antibiotics. It is widely used in research to study bacterial protein synthesis inhibition, particularly against Mycoplasma and Gram-positive pathogens, in both in vitro and in vivo experimental models.
Target	Antibacterial,Antibiotic
Purity	99.60% (May vary between batches)
MW	493.74
Target Areas	Antibacterial Antibiotic
Solubility (25°C)	10% DMSO+40% PEG300+5% Tween 80+45% Saline:5 mg/mL (10.13 mM);DMSO:250 mg/mL (506.34 mM);Ethanol:2 mg/mL (4.05 mM);H2O:11 mg/mL (22.28 mM)
CAS Number	55297-95-5
Formula	C ₂₈ H ₄₇ NO ₄ S
SMILES	[H][C@@]12C(=O)CC[C@]11CC[C@@H](C)[C@@]2(C)[C@@H](C[C@@](C)(C=C)[C@@H](O)[C@@H]1C)OC(=O)CSCCN(CC)CC
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