

Product Name	: Tiamulin fumarate
Synonyms	: —
Cat No.	: M34753
CAS Number	: 55297-96-6
Molecular Formula	: C ₃₂ H ₅₁ NO ₈ S
Formula Weight	: 609.81
Chemical Name	: —
Description	: Tiamulin (Thiamutilin) fumarate is a diterpenic antibiotic that is widely used in pigs and poultry for the control of infectious diseases. Tiamulin fumarate is effectively used in the study of airsacculitis, which is primarily caused by Mycoplasma spp.
Pathway	: GPCR/G Protein
Target	: Antibacterial
Receptor	: Antibacterial
Solubility	: In Vitro: ?DMSO : ≥ 100 mg/mL (163.99 mM);)H ₂ O : 100 mg/mL (163.99 mM; Ultrasonic)
SMILES	: <chem>OC(=O)C=C(C(=O)O.[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</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Dreyfuss J, et al. Metabolism of tritium- and carbon-14-labeled tiamulin in dogs, rats, and pigs. J Antibiot (Tokyo). 1979 May;32(5):496-503.?