

Product Name : Gamithromycin

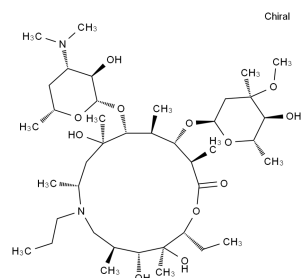
Synonyms : ML-1709460

Cat No. : M11956

CAS Number : 145435-72-9

Molecular Formula : C₄₀H₇₆N₂O₁₂

Formula Weight : 777.04



Chemical Name : (2R,3S,4R,5S,8R,10R,11R,12S,13S,14R)-11-[(2S,3R,4S,6R)-4-(dimethylamino)-3-hydroxy-6-methyloxan-2-yl]oxy-2-ethyl-3,4,10-trihydroxy-13-[(2R,4R,5S,6S)-5-hydroxy-4-methoxy-4,6-dimethyloxan-2-yl]oxy-3,5,8,10,12,14-hexamethyl-7-propyl-1-oxa-7-azacyclopentadecan-15-one

Description : A macrolide compound with antibacterial activity.

Pathway : Others

Target : Other Targets

Receptor : Others

Solubility : Soluble in DMSO

SMILES : O=C1[C@H](C)[C@@H](O[C@@H]2O[C@@H](C)[C@H](O)[C@](C)(OC)C2)[C@H](C)[C@@H](O[C@@H]3O[C@H](C)C[C@H](N(C)C)[C@H]3O)[C@](C)(O)C[C@@H](C)N(CCC)C[C@H](C)[C@@H](O)[C@](C)(O)[C@@H](CC)O1

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Mahendran SA, et al. Randomised positive control trial of NSAID and antimicrobial treatment for calf fever caused by pneumonia. Vet Rec. 2017 Apr 21. pii: vetrec-2016-104057.