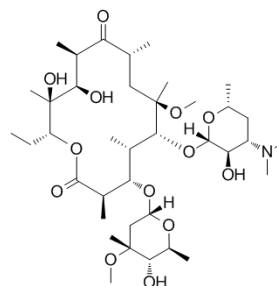


Product Name : Clarithromycin
Synonyms : A-56268; Antibiotic A 56268; TE 031
Cat No. : M16030
CAS Number : 81103-11-9
Molecular Formula : C₃₈H₆₉NO₁₃
Formula Weight : 747.95
Chemical Name : Erythromycin, 6-O-methyl-



Description : An antibiotic by acting as a protein synthesis inhibitor; binds to 23S rRNA, a component of the 50S subunit of the bacterial ribosome, thus inhibiting the translation of peptides; also attenuates autophagy in cancer cells. Bacterial Infection Approved
Pathway : GPCR/G Protein
Target : Antibacterial
Receptor : 50S ribosome; MRP1
Solubility : DMSO: ≥ 7.4 mg/mL
SMILES : CC[C@@H]1[C@@](C)(O)[C@H](O)[C@@H](C)C([C@H](C)C[C@@](C)(OC)[C@H](O)[C@H]2[C@H](O)[C@@H](N(C)C)C[C@@H](C)O2)[C@@H](C)[C@H](O[C@H]3C[C@@](C)(OC)[C@H](O)[C@H](C)O3)[C@@H](C)C(O1)=O
Storage : (-20°C)
Stability : ≥ 2 years
Reference :

1. Komatsu S, et al. Int J Oncol. 2012 Apr;40(4):1029-39. | 2. Nakamura M, et al. Int J Oncol. 2010 Oct;37(4):815-20. | 3. Altman JK, et al. Leuk Lymphoma. 2012 Jul;53(7):1255-6.