

Product Name : Roxithromycin

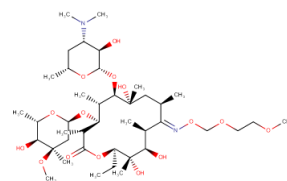
Synonyms : RU 965; RU 28965

Cat No. : M16002

CAS Number : 80214-83-1

Molecular Formula : C₄₁H₇₆N₂O₁₅

Formula Weight : 837.05



Chemical Name : (3R,4S,5S,6R,7R,9R,11S,12R,13S,14R,E)-6-(((2S,3R,4S,6R)-4-(dimethylamino)-3-hydroxy-6-methyltetrahydro-2H-pyran-2-yl)oxy)-14-ethyl-7,12,13-trihydroxy-4-(((2R,4R,5S,6S)-5-hydroxy-4-methoxy-4,6-dimethyltetrahydro-2H-pyran-2-yl)oxy)-10-(((2-methoxyethoxy)methoxy)imino)-3,5,7,9,11,13-hexamethyloxacyclotetradecan-2-one

Description : Roxithromycin is a semi-synthetic macrolide antibiotic.

Pathway : Microbiology/Virology

Target : ribosome

Receptor : 50S ribosome

Solubility : Ethanol: 167 mg/mL (199.5 mM); DMSO: 167 mg/mL (199.5 mM)

SMILES : CC[C@H]1OC([C@@H]([C@H]([C@@H]([C@H]([C@](O)(C)[C@H]1/C([C@@H]([C@H]([C@@]1(O)C)O)C)=NOCOCOC(C)C)O[C@@H]2O[C@@H](C[C@H](N(C)C)[C@H]2O)C)O[C@H]3C[C@@](OC)([C@H]([C@@H](O3)C)O)C)=O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Bertho G, et al. Bioorg Med Chem. 1998 Feb;6(2):209-2