

Roxithromycin

Catalog No: tcsc2541



Available Sizes

Size: 1g

Size: 5g



Specifications

CAS No:

80214-83-1

Formula:

$C_{41}H_{76}N_2O_{15}$

Pathway:

Anti-infection

Target:

Bacterial

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 100 mg/mL (119.47 mM); H₂O :

Alternative Names:

RU-28965

Observed Molecular Weight:

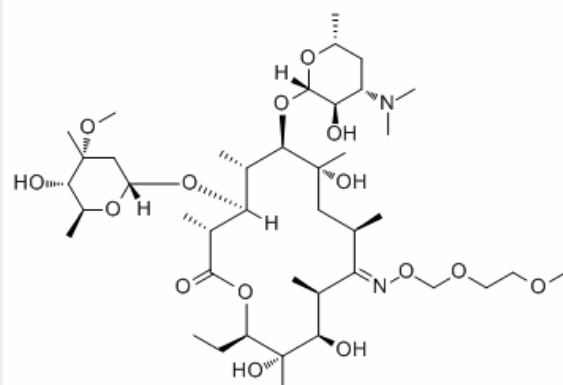
837.05

Product Description

Roxithromycin is a semi-synthetic macrolide antibiotic.

Target: Antibacterial

Roxithromycin is a semi-synthetic macrolide antibiotic. It is used to treat respiratory tract, urinary and soft tissue infections. Roxithromycin is derived from erythromycin, containing the same 14-membered lactone ring. Roxithromycin prevents bacteria from growing, by interfering with their protein synthesis. Roxithromycin binds to the subunit 50S of the bacterial ribosome, and thus inhibits the translocation of peptides. Roxithromycin has similar antimicrobial spectrum as erythromycin, but is more effective against certain gram-negative bacteria, particularly *Legionella pneumophila*. From Wikipedia.



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