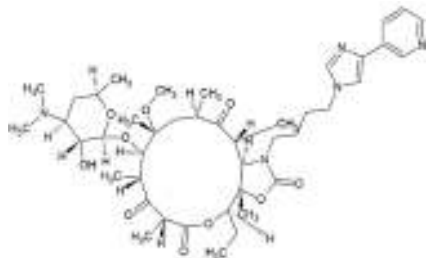


Telithromycin

ALTERNATE NAME: (3aS,4R,7R,9R,10R,11R,13R,15R,15aR)-4-Ethyl-octahydro-11-methoxy-3a,7,9,11,13,15-hexamethyl-1-[4-[4-(3-pyridinyl)-1H-imidazol-1-yl]butyl]-10-[[3,4,6-trideoxy-3-(dimethylamino)-b-D-xylo-hexopyranosyl]oxy]-2H-oxacyclotetradecino[4,3-d]oxazole-2,6,8,14(1H,7H,9H)tetrone
Ketek

CATALOG #: B2695-2 2 mg
B2695-10 10 mg



MOLECULAR FORMULA: C₄₃H₆₅N₅O₁₀

MOLECULAR WEIGHT: 812.00

CAS NUMBER: 191114-48-4

APPEARANCE: White to pale yellow solid

PURITY: ≥90% by HPLC

SOLUBILITY: >10 mg/ml DMSO

DESCRIPTION: Telithromycin is a semi-synthetic erythromycin derivative that belongs to a class of ketolide antibiotics. Similar to the macrolide antibiotics, telithromycin prevents bacterial growth by interfering with bacterial protein synthesis. Telithromycin binds to the 50S subunit of the 70S bacterial ribosome and blocks further peptide elongation. Binding occurs simultaneously at two domains of 23S RNA of the 50S ribosomal subunit, domain II and V, where older macrolides bind only to one. It is used to treat mild to moderate respiratory infections.

STORAGE TEMPERATURE: -20°C. Protect from moisture

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Clarithromycin (B2692)
Solithromycin (B1222)
Erythromycin (9619)
Azithromycin (B1226)

DISCLAIMER: *FOR RESEARCH USE ONLY! Not to be used on humans.*