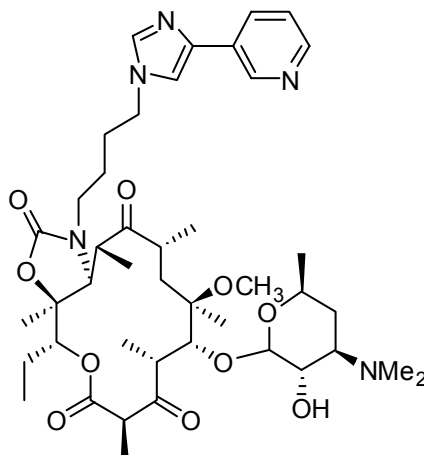


Telithromycin

Code: **BIA-T1316**

Pack sizes: **5 mg, 25 mg**



Synonyms : -

Specifications

CAS #	: 191114-48-4
Molecular Formula	: C₄₃H₆₅N₅O₁₀
Molecular Weight	: 812.0
Source	: Semi-synthetic
Appearance	: White to fawn solid
Purity	: >98%
Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Good water solubility.

Application Notes

Telithromycin represents the first member of the current generation of erythromycin descendants belonging to the ketolide class. The ketolides are characterised by the hydrolysis of the cladinose sugar and subsequent oxidation of the alcohol to a ketone. Telithromycin shows acid stability, good activity against erythromycin resistant *S. aureus* and improved pharmacokinetics.

References

1. Synthesis and antibacterial activity of HMR 3647, a new ketolide highly potent against erythromycin-resistant and susceptible pathogens. Denis A. *et al.* Biorg. Med. Chem. Letter **1999**, 9, 3075.
2. In vitro activities of two ketolides HMR 3647 and HMR 3004 against gram-positive bacteria. Saez-Nieto J.A. & Vazquez C.L. Antimicrob. Agents Chemother. **1999**, 43, 930.
3. Inhibition of translation and 50S ribosomal subunit formation in *S. aureus* all by 11 different ketolide antibiotics. Champney W.S. & Tober C.L. Curr. Microbiol. **1998**, 37, 418.