

PRODUCT DATA SHEET

Code No.: BIA-R1315

Pack sizes.: 5mg, 25mg

Synonyms:

Erythromycin 9-(-O-[2-methoxyethoxy]methyloxime)

Specifications

CAS # : 80214-83-1

Molecular Formula : C41H76N2O15

Molecular Weight : 837.1

Source :-

Appearance : White solid

Purity : >98% by HPLC

Long Term Storage : -20°C

Solubility : Soluble in ethanol, methanol, DMF or DMSO. Good water solubility.

Application Notes

Roxithromycin was one of the new generation erythromycins introduced in the 1980s. Improved acid stability was achieved by converting the 9-keto group to the more stable oxime and alkylation of the oxime to provide the methoxyethoxymethyl ether oxime. In vivo, roxithromycin exhibits higher tissue levels and a longer half-life while being slightly less potent than erythromycin in vitro.

References

1. In vitro evaluation of three new macrolide antimicrobial agents, RU 28965, RU 29065, RU 29702, and

comparisons with other orally administered drugs. Jones R.N. et al., Antimicrob. Agents Chemother. 1983, 24: 209-215.

2. Antibacterial activity of roxithromycin: a laboratory evaluation. Chantot J-F. et al., J. Antibiot. 1986, 39, 313.