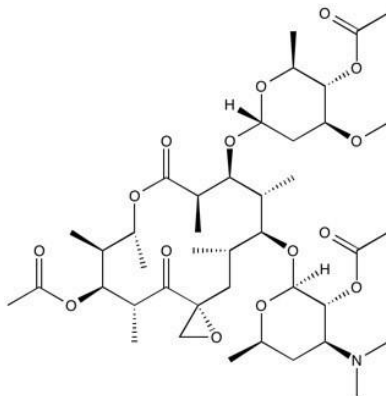


Catalog # 10-2227

Troleandomycin

CAS# 2751-09-9

Lot # FBA8013



Macrolide antibiotic. Inhibits cytochrome P450 (IC₅₀ = 0-5 μM), thus blocking CYP450-dependent drug oxidation.

- 1) Patki *et al.* (2004), *Mechanism-based inhibition of CYP3A4 and CYP3A5 by seven inhibitors*; Clin. Pharmacol. Therap., **75** P83
- 2) Kozlov *et al.* (2003), *Various intracellular compartments cooperate in the release of nitric oxide from glycerol trinitrate in liver*, Br. J. Pharmacol., **139** 989
- 3) Ludden *et al.* (1985), *Pharmacokinetic interactions of the macrolide antibiotics*; Clin. Pharmacokinet., **10** 63

PHYSICAL DATA

| | |
|------------------------|--|
| Molecular Weight: | 813.99 |
| Molecular Formula: | C ₄₁ H ₆₇ NO ₁₅ |
| Purity: | >98% by TLC (5% Methanol/methylene chloride) NMR: (Conforms) |
| Solubility: | DMSO (up to 50 mg/ml) or Ethanol (up to 25 mg/ml) |
| Physical Description: | Off-white to very pale yellow solid |
| Storage and Stability: | Store as supplied at -20°C for up to 2 years from the date of purchase. Solutions in DMSO or ethanol may be stored at -20°C for up to 1 month. |

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