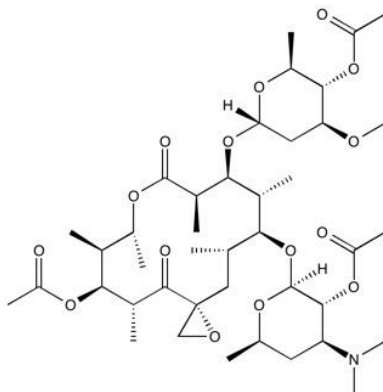


Catalog # 10-2227

Troleandomycin

CAS# 2751-09-9

Lot # FBS1086B



Macrolide antibiotic. Inhibits cytochrome P450 ($IC_{50} = 0-5 \mu M$), 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:	White solid
Storage and Stability:	Store as supplied at -20°C for up to 1 year 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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