



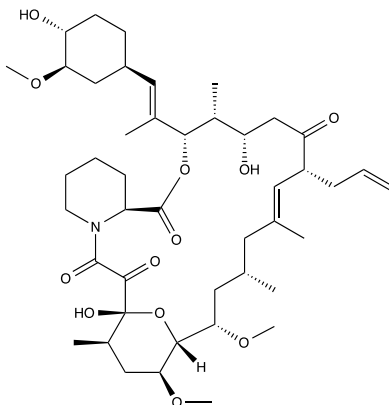
Catalog # 10-1103

FK-506

CAS# 104987-11-3

Tacrolimus

Lot # X101047



FK-506 induces immunosuppression by inhibiting T cell proliferation. Inhibits FKBP12 and calcineurin (IC₅₀ approx. 1 nM). Cell permeable.

- 1) Yu et al. (2006), *Effects of cyclosporine A, FK506 and rapamycin on calcineurin phosphatase activity in mouse brain*; IUBMB Life, **58** 429

PHYSICAL DATA

Molecular Weight: 804.04
Molecular Formula: C₄₄H₆₉NO₁₂
Purity: 98% by TLC
NMR: (Conforms)
Solubility: DMSO (up to 50 mg/ml), Ethanol (up to 50 mg/ml)
Physical Description: White 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 2 months.

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