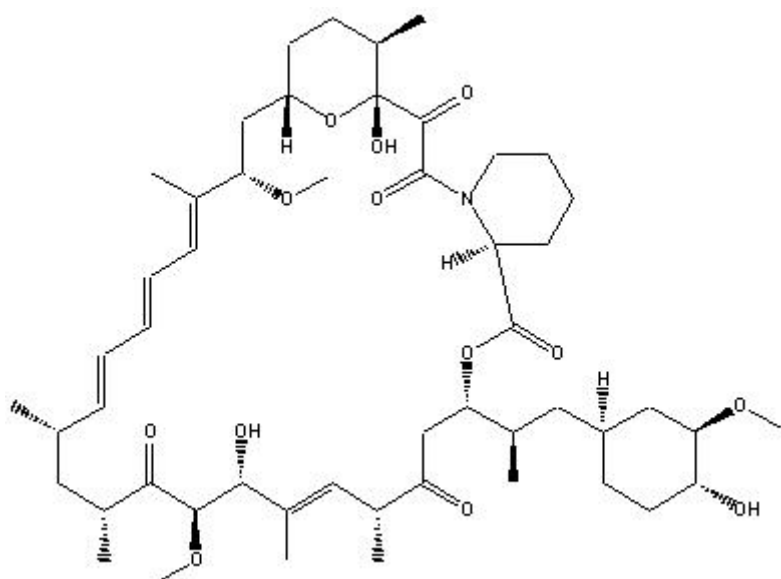


TECHNICAL INFORMATION

Catalog Number: 159346

Rapamycin

Structure:



Molecular Formula: C₅₁H₇₉NO₁₃

Molecular Weight: 914.20

CAS # 53123-88-9

Physical Appearance: White to off white powder

Description: A macrocyclic antibiotic which has been shown to selectively block signaling, leading to the activation of P70 S6 kinase. Possesses potent immunosuppressant activity.

Purity: 98.7%

Solubility: Soluble in ether, chloroform, acetone, DMF, methanol (25 mg/ml - clear, colorless solution) or DMSO; very sparingly soluble in hexane and petr ether; insoluble in water

References:

- Terada, N., et. al., *J. Biol. Chem.*, v. **268**, 12062 (1993)
- Price, D.J., et. al., *Science*, v. **257**, 973 (1992)
- Seghal, S.N., et al., *J. Antibiot.*, v. **28**, 727 (1975).