Ascomycin

Synonyms: L 683590, FR 900520, Immunomycin, FK 520, WS 7238A, NSC 106410

Specifications

- **CAS #**: 104987-12-4
- **Molecular Formula**: C_{43}H_{69}NO_{12}
- **Molecular Weight**: 792.0
- **Source**: Streptomyces hygroscopicus
- **Appearance**: White powder
- **Purity**: >97% by HPLC
- **Long Term Storage**: -20°C
- **Solubility**: Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.

Application Notes

Ascomycin is a macrocyclic lactone closely related to tacrolimus and rapamycin. Ascomycin is isolated from several species of Streptomyces and was first reported in 1962. Ascomycin exhibits limited, potent antifungal activity but has found considerable utility as an immunosuppressant.

References