

DATA SHEET

Product Name: Ascomycin

Catalog #: CV-1014

Alt: CAS # 104987-12-4; FK-520; FR-900520

Source: Fermentation product from *Streptomyces hygroscopicus*

Molecular Mass: 792.0

Analysis: >99% (HPLC); NMR (Conforms)

Supplied As: White powder

Resuspension: May be dissolved in DMSO (50 mg/ml); or ethanol (50 mg/ml, warm)

Storage: Store desiccated as supplied at -20°C for up to 2 years. Store solutions at -20°C for up to 3 months.

Description: Analog of FK-506. Potent immunosuppressant¹. Binds to FKBP12² and inhibits calcineurin and NFAT. Displays anti-inflammatory effects in skin diseases³. Cell permeable and active *in vivo*.

References:

1. Hatanaka, H., et al., (1988) J. Antibiot. (Tokyo), 41: 1592
2. Petros, A.M., et al., (1991) J. Med. Chem., 34: 2925
3. Mollison, K.W., et al., (1999) J. Invest. Dermatol., 112: 729

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