

## Ascomycin, FKBP ligand; immunosuppressant

Catalog	Unit
TBI2059-5MG	5 mg
TBI2059-25MG	25 mg

### Product Details

**Formal Name:** Fermentation product from *Streptomyces hygroscopicus*

**Alternate Names:** FK-520; FR-900520

**Molecular Formula:** C<sub>43</sub>H<sub>69</sub>NO<sub>12</sub>

**Formula Weight:** 729.03

**CAS Number:** 104987-12-4

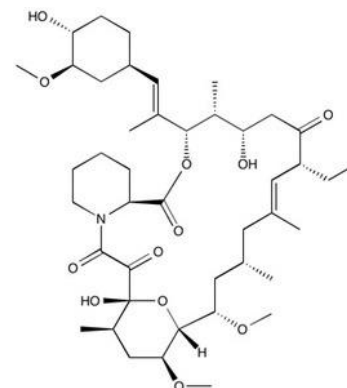
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 50 mg/ml), or in Ethanol (up to 50 mg/ml with warming).

**Storage:** -20°C

**Stability:** ≥ 2 years.



### Applications

FKBP ligand; immunosuppressant

### Functions

Analog of FK-506. Potent immunosuppressant. Binds to FKBP12 and inhibits calcineurin and NFAT. Displays antiinflammatory effects in skin diseases. Cell permeable and active in vivo.

### Application Procedures

First dissolved in DMSO (up to 50 mg/ml), or in Ethanol (up to 50 mg/ml with warming), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20° for up to 3 months.

**For research use only.**