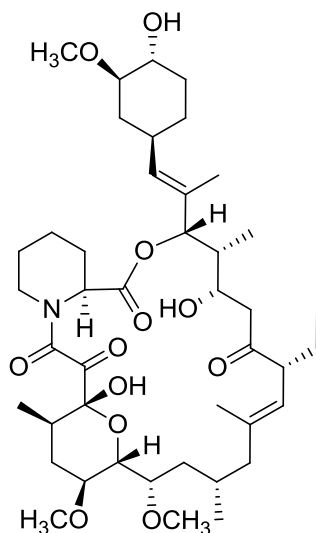


## Ascomycin

Code No.: **BIA-A1237**

Pack sizes: **1 mg, 5 mg**



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

## Specifications

CAS #	: 104987-12-4
Molecular Formula	: <b>C<sub>43</sub>H<sub>69</sub>NO<sub>12</sub></b>
Molecular Weight	: <b>792.0</b>
Source	: <b><i>Streptomyces hygroscopicus</i></b>
Appearance	: <b>White powder</b>
Purity	: <b>&gt;97% by HPLC</b>
Long Term Storage	: <b>-20°C</b>
Solubility	: <b>Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.</b>

## 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

1. FR-900520 and FR-900523, novel immunosuppressants isolated from a *Streptomyces*. II. Fermentation, isolation and physico-chemical and biological characteristics. Hatanaka H. et al., J. Antibiot. 1988, 41, 1592.
2. Identity of immunosuppressant FR-900520 with ascomycin. Morisaki M. & Arai T. J. Antibiot. 1992, 45, 126.