Ascomycin

Immunosuppressant

Ascomycin is a close structural analog of FK506 and is a potent immunosuppressant. It binds to FKBP (FK506-binding protein) and suppresses its proline rotamase activity. The ascomycin-FKBP complex inhibits calcineurin, a type 2B phosphatase.

Citations: 8 View Online »

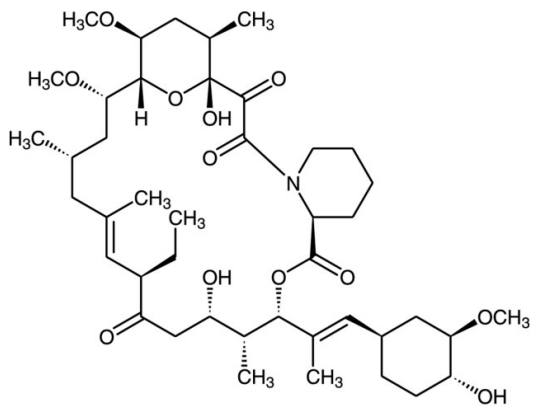
Ordering Information

Order Online »

BML-A165-0001	1mg

Manuals, SDS & CofA

View Online »


H3CO
CH3
H3CO
O
O
H
OH
H3C
O
N
CH3
CH3
OH
O
O
O
OCH3
CH3
CH3
OH

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Store, as supplied, at -20°C for up to 1 year. Store solutions at -20°C for up to 3 months.
Handling	Protect from light.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Immunomycin
Appearance	Off-white solid
CAS	104987-12-4; also registered as 11011-38-4
Couple Target	FKBP, Serine/threonine-protein phosphatase
Couple Type	Inhibitor
Formula	$C_{43}H_{69}NO_{12}$
MW	792
Purity	≥90% (HPLC, TLC)
Solubility	Soluble in DMSO, methanol or ethanol.
Source	Isolated from *Streptomyces sp.*

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