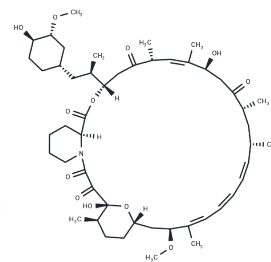


Demethoxyrapamycin

Chemical Properties

CAS No. :	83482-58-0
Formula:	C50H77NO12
Molecular Weight:	884.161
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Demethoxyrapamycin is a new antifungal antibiotic agent which is co-produced with rapamycin by Streptomyces hygroscopicus.
Targets(IC50)	Others,Antibiotic,Antifungal

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.131 mL	5.6551 mL	11.3102 mL
5 mM	0.2262 mL	1.131 mL	2.262 mL
10 mM	0.1131 mL	0.5655 mL	1.131 mL
50 mM	0.0226 mL	0.1131 mL	0.2262 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Sehgal SN, Baker H, Eng CP, Singh K, Vézina C. Demethoxyrapamycin (AY-24,668), a new antifungal antibiotic. J Antibiot (Tokyo). 1983 Apr;36(4):351-4. PubMed PMID: 6343327.
- Eng CP, Sehgal SN, Vézina C. Activity of rapamycin (AY-22,989) against transplanted tumors. J Antibiot (Tokyo). 1984 Oct;37(10):1231-7. PubMed PMID: 6501094.
- Feng Y, Zhang S, Poloyac S, Strom S, Venkataramanan R. Determination of 13-O-demethyl tacrolimus in human liver microsomal incubates using liquid chromatography-mass spectrometric assay (LC-MS). J Chromatogr B Analyt Technol Biomed Life Sci. 2005 Jul 5;821(1):31-7. PubMed PMID: 15897019.

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