

A 26771B

Chemical Properties

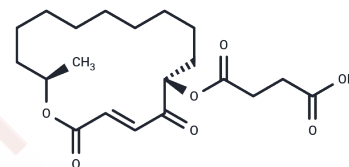
CAS No. : 56448-20-5

Formula: C₂₀H₃₀O₇

Molecular Weight: 382.45

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	A 26771B is an antibiotic in the class of macrolide lactone.
Targets(IC50)	Others, Antibacterial, Antibiotic, Antifungal

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6147 mL	13.0736 mL	26.1472 mL
5 mM	0.5229 mL	2.6147 mL	5.2294 mL
10 mM	0.2615 mL	1.3074 mL	2.6147 mL
50 mM	0.0523 mL	0.2615 mL	0.5229 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

Canova S, Lépine R, Thys A, Baron A, Roche D. Synthesis and biological properties of macrolactam analogs of the natural product macrolide (-)-A26771B. *Bioorg Med Chem Lett*. 2011 Aug 15;21(16):4768-72. doi: 10.1016/j.bmcl.2011.06.073. Epub 2011 Jun 23. PubMed PMID: 21767951.

Michel KH, Demarco PV, Nagarjan R. The isolation and structure elucidation of macrocyclic lactone antibiotic, A26771B. *J Antibiot (Tokyo)*. 1977 Jul;30(7):571-5. PubMed PMID: 142754.

Persich P, Llaveria J, Lhermet R, de Haro T, Stade R, Kondoh A, Fürstner A. Increasing the structural span of alkyne metathesis. *Chemistry*. 2013 Sep 23;19(39):13047-58. doi: 10.1002/chem.201302320. Epub 2013 Sep 3. PubMed PMID: 24038738.

Gebauer J, Blechert S. Synthesis of gamma,delta-unsaturated-beta-keto lactones via sequential cross metathesis-lactonization: a facile entry to macrolide antibiotic (-)-A26771B. *J Org Chem*. 2006 Mar 3;71(5):2021-5. PubMed PMID: 16496989.

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