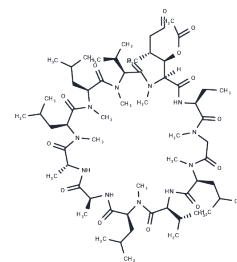


Acetyl-cyclosporin A aldehyde

Chemical Properties

CAS No. :	121584-52-9
Formula:	C62H109N11O14
Molecular Weight:	1232.59
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	Acetyl-cyclosporin A aldehyde is a cyclosporin A derivative, a neurocalmodulin inhibitor and cyclophilin binder with potential anti-inflammatory, antitumor, and antiviral activity. It is used in studies of organ transplantation and autoimmune diseases.
Targets(IC50)	Molecular Glues

Solubility Information

Solubility	DMSO: 50 mg/mL (40.56 mM), Sonication is recommended. H2O: < 1 mg/mL (insoluble or slightly soluble) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8113 mL	4.0565 mL	8.113 mL
5 mM	0.1623 mL	0.8113 mL	1.6226 mL
10 mM	0.0811 mL	0.4056 mL	0.8113 mL
50 mM	0.0162 mL	0.0811 mL	0.1623 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

Dalmarco EM, et al. Cyclosporin A inhibits CD11a/CD18 adhesion molecules due to inhibition of TNFalpha and IL-1 beta levels in the mouse model of pleurisy induced by carrageenan. *Cell Adh Migr.* 2008 Oct-Dec;2(4):231-5.

Randomised trial comparing tacrolimus (FK506) and cyclosporin in prevention of liver allograft rejection. European FK506 Multicentre Liver Study Group. *Lancet.* 1994 Aug 13;344(8920):423-8.

Borel JF, et al. Effects of the new anti-lymphocytic peptide cyclosporin A in animals. *Immunology.* 1977 Jun;32(6):1017-25.

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