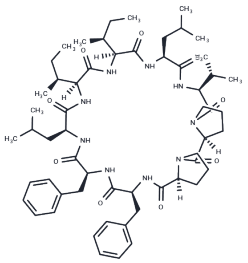
Data Sheet (Cat.No.TP2377)

TargetMol

Cyclolinopeptide A

Chemical Properties



CAS No. : 33302-55-5

Formula: C57H85N9O9

Molecular Weight: 1040.34

Storage: Keep away from moisture,Store at low temperature
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	Cyclolinopeptide A (Linus cyclopeptide 9) is an immunosuppressive natriuretic peptide derived from the seeds of Linum usitatissimum that inhibits its peptidyl-prolyl cis-trans isomerase activity.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9612 mL	4.8061 mL	9.6122 mL
5 mM	0.1922 mL	0.9612 mL	1.9224 mL
10 mM	0.0961 mL	0.4806 mL	0.9612 mL
50 mM	0.0192 mL	0.0961 mL	0.1922 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

Huben K, et al. The structure of cyclolinopeptide A in chloroform refined by RDC measurements. J Pept Sci. 2014 Nov;20(11):901-7.

Jędrzejczak K, et al. Synthesis and biological activity of cyclolinopeptide A analogues modified with γ(3)-bis (homophenylalanine). Eur J Med Chem. 2014 Oct 30;86:515-27.

Gaymes TJ, et al. Cyclolinopeptide A (CLA) mediates its immunosuppressive activity through cyclophilin-dependent calcineurin inactivation. FEBS Lett. 1997 Nov 24;418(1-2):224-7.

Wieczorek Z, et al. Immunosuppressive activity of tyrosine analogues of cyclolinopeptide A. Arch Immunol Ther Exp (Warsz). 1992;40(3-4):213-6.

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