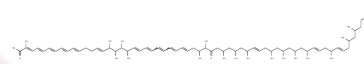


## Linearmycin B

## Chemical Properties

CAS No. :	182291-65-2
Formula:	C66H103NO16
Molecular Weight:	1166.541
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	Linearmycin B is a polyene antibiotic that has been found in <i>Streptomyces</i> . It induces lysis and degradation of <i>B. subtilis</i> as a component of <i>Streptomyces</i> Mg1 extract. <sup>2</sup>
Targets(IC50)	Others, Antibacterial, Antifungal

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8572 mL	4.2862 mL	8.5724 mL
5 mM	0.1714 mL	0.8572 mL	1.7145 mL
10 mM	0.0857 mL	0.4286 mL	0.8572 mL
50 mM	0.0171 mL	0.0857 mL	0.1714 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

Sakuda, S., Guce-Bigol, U., Itoh, M., et al. Novel linear polyene antibiotics: Linearmycins. *J. Chem. Soc., Perkin Trans.* 1182315-2319(1996)

Stubbendieck, R.M., and Straight, P.D. Escape from lethal bacterial competition through coupled activation of antibiotic resistance and a mobilized subpopulation. *PLoS Genet.* 11(12)e1005722(2015)

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