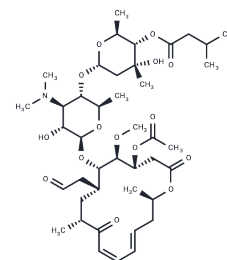


## Carbomycin B

### Chemical Properties

CAS No. :	21238-30-2
Formula:	C42H67NO15
Molecular Weight:	825.99
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	Carbomycin B is an intermediate in the synthesis of Carbomycin. Carbomycin is a macrolite antibiotic complex produced by <i>Streptomyces halstedii</i> , that is similar to Leucomycin and Erythromycin.
Targets(IC50)	Others, Antibiotic

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2107 mL	6.0533 mL	12.1067 mL
5 mM	0.2421 mL	1.2107 mL	2.4213 mL
10 mM	0.1211 mL	0.6053 mL	1.2107 mL
50 mM	0.0242 mL	0.1211 mL	0.2421 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

BRANNICK TL, HEILMAN FR, NICHOLS DR, MARTIN WJ. Comparison of levels of carbomycin A, carbomycin B, and erythromycin in serum and thyroid tissue. *Antibiotic Med Clin Ther (New York)*. 1955 Mar;1(3):131-5. PubMed PMID: 14362447.

Moazed D, Noller HF. Chloramphenicol, erythromycin, carbomycin and vernamycin B protect overlapping sites in the peptidyl transferase region of 23S ribosomal RNA. *Biochimie*. 1987 Aug;69(8):879-84. PubMed PMID: 3122849.

FAIRBROTHER RW, JENNINGS RC. The dried disc technique with bacitracin, carbomycin, erythromycin, polymyxin B, and tetracycline. *J Clin Pathol*. 1955 May;8(2):117-9. PubMed PMID: 14367541; PubMed Central PMCID: PMC1023767.

Arisawa A, Tsunekawa H, Okamura K, Okamoto R. Nucleotide sequence analysis of the carbomycin biosynthetic genes including the 3-O-acyltransferase gene from *Streptomyces thermotolerans*. *Biosci Biotechnol Biochem*. 1995 Apr;59(4):582-8. PubMed PMID: 7772821.

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