

Cephabacin M4

Chemical Properties

CAS No. : 99313-74-3

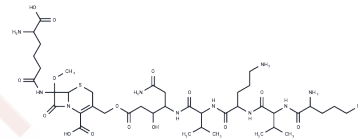
Formula: C41H69N11O15S

Molecular Weight: 988.13

Keep away from moisture

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	Cephabacin M4 is a new cephem antibiotic isolated from bacterial.
Targets(IC50)	Others,Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.012 mL	5.0601 mL	10.1201 mL
5 mM	0.2024 mL	1.012 mL	2.024 mL
10 mM	0.1012 mL	0.506 mL	1.012 mL
50 mM	0.0202 mL	0.1012 mL	0.2024 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

Nozaki Y, Okonogi K, Katayama N, Ono H, Harada S, Kondo M, Okazaki H. Cephacins, new cephem antibiotics of bacterial origin. IV. Antibacterial activities, stability to beta-lactamases and mode of action. *J Antibiot (Tokyo)*. 1984 Dec;37(12):1555-65. PubMed PMID: 6335505.

Nozaki Y, Katayama N, Tsubotani S, Ono H, Okazaki H. Cephacins, new 7-methoxycephem antibiotics of bacterial origin. I. A producing organism, fermentation, biological activities, and mode of action. *J Antibiot (Tokyo)*. 1985 Sep;38(9):1141-51. PubMed PMID: 3905734.

Lee JS, Vladimirova MG, Demirev AV, Kim BG, Lim SK, Nam DH. Expression and characterization of polyketide synthase module involved in the late step of cephalosporin biosynthesis from *Lysobacter lactamgenus*. *J Microbiol Biotechnol*. 2008 Mar;18(3):427-33. PubMed PMID: 18388458.

Tsubotani S, Hida T, Ono H, Harada S. Cephacins, new 7-methoxycephem antibiotics of bacterial origin. II. Isolation, characterization and structural determination. *J Antibiot (Tokyo)*. 1985 Sep;38(9):1152-65. PubMed PMID: 4066500.

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