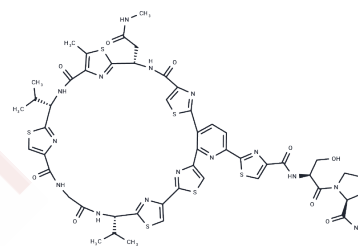


## Amythiamicin B

## Chemical Properties

CAS No. :	156620-48-3
Formula:	C <sub>50</sub> H <sub>53</sub> N <sub>15</sub> O <sub>9</sub> S <sub>6</sub>
Molecular Weight:	1200.43
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	Amythiamicin B is a novel antimicrobial antibiotic.
Targets(IC50)	Others, Antibacterial, Antibiotic, Parasite

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.833 mL	4.1652 mL	8.3303 mL
5 mM	0.1666 mL	0.833 mL	1.6661 mL
10 mM	0.0833 mL	0.4165 mL	0.833 mL
50 mM	0.0167 mL	0.0833 mL	0.1666 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

- Shimanaka K, Takahashi Y, Iinuma H, Naganawa H, Takeuchi T. Novel antibiotics, amythiamicins. III. Structure elucidations of amythiamicins A, B and C. J Antibiot (Tokyo). 1994 Oct;47(10):1153-9. PubMed PMID: 7961166.
- Nicolaou KC, Dethe DH, Chen DY. Total syntheses of amythiamicins A, B and C. Chem Commun (Camb). 2008 Jun 21;(23):2632-4. doi: 10.1039/b805069b. Epub 2008 May 8. PubMed PMID: 18535690.
- Shimanaka K, Kinoshita N, Iinuma H, Hamada M, Takeuchi T. Novel antibiotics, amythiamicins. I. Taxonomy, fermentation, isolation, physico-chemical properties, and antimicrobial activity. J Antibiot (Tokyo). 1994 Jun;47(6):668-74. PubMed PMID: 8040071.

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