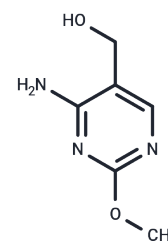


Bacimethrin

Chemical Properties

CAS No. :	3690-12-8
Formula:	C ₆ H ₉ N ₃ O ₂
Molecular Weight:	155.16
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	Bacimethrin (NSC 66577) is a natural product isolated from certain bacteria, acting as an inhibitor of bacterial and yeast growth and an antagonist in thiamine biosynthesis.
Targets(IC50)	Others,Antibacterial,Antifungal

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.445 mL	32.2248 mL	64.4496 mL
5 mM	1.289 mL	6.445 mL	12.8899 mL
10 mM	0.6445 mL	3.2225 mL	6.445 mL
50 mM	0.1289 mL	0.6445 mL	1.289 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

- Natalia S Nemeria, et al. Competence of Thiamin Diphosphate-Dependent Enzymes with 2'-Methoxythiamin Diphosphate Derived from Bacimethrin, a Naturally Occurring Thiamin Anti-vitamin. *Biochemistry*. 2016 Feb 23;55 (7):1135-48.
- J L Zilles, et al. Action of the thiamine antagonist bacimethrin on thiamine biosynthesis. *J Bacteriol*. 2000 Oct;182 (19):5606-10.

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