

Phenazine oxide

Chemical Properties

CAS No. :	304-81-4
Formula:	C ₁₂ H ₈ N ₂ O
Molecular Weight:	196.2
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Phenazine oxide is a Bactericide, Fungicide, and Wood Preservative.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.0968 mL	25.4842 mL	50.9684 mL
5 mM	1.0194 mL	5.0968 mL	10.1937 mL
10 mM	0.5097 mL	2.5484 mL	5.0968 mL
50 mM	0.1019 mL	0.5097 mL	1.0194 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

- Angiolini L, Valetti S, Cohen B, Feiler A, Douhal A. Fluorescence imaging of antibiotic clofazimine encapsulated within mesoporous silica particle carriers: relevance to drug delivery and the effect on its release kinetics. *Phys Chem Chem Phys*. 2018 May 3;20(17):11899-11911. doi: 10.1039/c7cp08328a. PubMed PMID: 29666860.
- Jiang J, Guiza Beltran D, Schacht A, Wright S, Zhang L, Du L. Functional and Structural Analysis of Phenazine O-Methyltransferase LaPhzM from *Lysobacter antibioticus* OH13 and One-Pot Enzymatic Synthesis of the Antibiotic Myxin. *ACS Chem Biol*. 2018 Apr 20;13(4):1003-1012. doi: 10.1021/acschembio.8b00062. Epub 2018 Mar 12. PubMed PMID: 29510028; PubMed Central PMCID: PMC5910208.
- Zhou H, Gao J, Chen Z, Duan S, Li C, Qiao R. Double-strand cleavage of DNA by a polyamide-phenazine-di-N-oxide conjugate. *Bioorg Med Chem Lett*. 2017 Dec 26. pii: S0960-894X(17)31232-5. doi: 10.1016/j.bmcl.2017.12.058. [Epub ahead of print] PubMed PMID: 29292228.
- Laborda P, Zhao Y, Ling J, Hou R, Liu F. Production of Antifungal p-Aminobenzoic Acid in *Lysobacter antibioticus* OH13. *J Agric Food Chem*. 2018 Jan 24;66(3):630-636. doi: 10.1021/acs.jafc.7b05084. Epub 2018 Jan 12. PubMed PMID: 29283262.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481