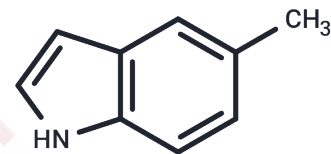


5-Methylindole

Chemical Properties

CAS No. :	614-96-0
Formula:	C ₉ H ₉ N
Molecular Weight:	131.17
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	5-Methylindole is a biologically active indole that inhibits a variety of kinases in bacteria and animals and Tryptophan synthase in plants for leukaemia and Alzheimer's disease.
Targets(IC50)	Others
In vitro	5-Methylindole enhances the bactericidal effects of multiple antibiotics in vitro against pathogens such as E. coli, MRSA, and P. aeruginosa. 5-Methylindole increases membrane permeability and facilitates antibiotic entry[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.6237 mL	38.1185 mL	76.2369 mL
5 mM	1.5247 mL	7.6237 mL	15.2474 mL
10 mM	0.7624 mL	3.8118 mL	7.6237 mL
50 mM	0.1525 mL	0.7624 mL	1.5247 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

- Li Z, Sun F, Fu X, Chen Y. 5-Methylindole kills various bacterial pathogens and potentiates aminoglycoside against methicillin-resistant Staphylococcus aureus. PeerJ. 2022 Sep 14;10:e14010.
- Sun F, Bian M, Li Z, Lv B, Gao Y, Wang Y, Fu X. 5-Methylindole Potentiates Aminoglycoside Against Gram-Positive Bacteria Including Staphylococcus aureus Persists Under Hypoionic Conditions. Front Cell Infect Microbiol. 2020 Feb 28;10:84.

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