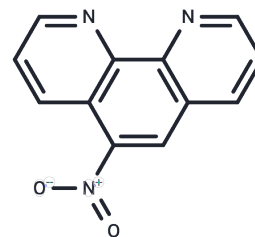


5-Nitro-1,10-phenanthroline

Chemical Properties

CAS No. :	4199-88-6
Formula:	C ₁₂ H ₇ N ₃ O ₂
Molecular Weight:	225.2
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-Nitro-1,10-phenanthroline (5-NP) is a potent bactericidal agent that inhibits Clostridium difficile.
Targets(IC50)	Endogenous Metabolite,Antibacterial

Solubility Information

Solubility	DMSO: 11 mg/mL (48.85 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.4405 mL	22.2025 mL	44.405 mL
5 mM	0.8881 mL	4.4405 mL	8.881 mL
10 mM	0.444 mL	2.2202 mL	4.4405 mL
50 mM	0.0888 mL	0.444 mL	0.8881 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

Liu H , Robbins M , Mehrotra A , et al. The Impact of Using Mid-level Providers in Face-to-Face Primary Care on Health Care Utilization[J]. Medical care, 2016, 55(1).

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