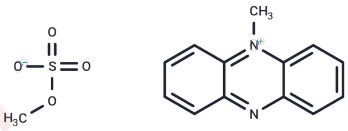
Data Sheet (Cat.No.T8138)

TargetMol

Phenazine methylsulfate

Chemical Properties



CAS No. : 299-11-6

Formula: C14H14N2O4S

Molecular Weight: 306.34

Storage: Store at low temperature
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	Phenazine methylsulfate is anti-bacterial agents.
Targets(IC50)	Apoptosis,Antibacterial,Antibiotic
In vitro	Phenazine methosulfate(PMS) causes the release of acetylcholine from nerve elements [1].

Solubility Information

Solubility	DMSO: 125 mg/mL (408.04 mM),Sonication is recommended. H2O: 250 mg/mL (816.09 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 10 mg/mL (32.64 mM),Solution. 10% DMSO+90% Saline: < 10 mg/mL (32.64 mM),Lower concentrations may be soluble, but exact solubility limit is unknown. *Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2643 mL	16.3217 mL	32.6435 mL
5 mM	0.6529 mL	3.2643 mL	6.5287 mL
10 mM	0.3264 mL	1.6322 mL	3.2643 mL
50 mM	0.0653 mL	0.3264 mL	0.6529 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

Hanani M , Nissan S . Phenazine methosulfate induces a neurally-mediated contraction of the guinea-pig ileum[J]. life sciences, 1986, 39(19):1805-1812.

Ghosh R , Quayle J R . Phenazine ethosulfate as a preferred electron acceptor to phenazine methosulfate in dye-linked enzyme assays[J]. analytical biochemistry, 1979, 99(1):112-117.