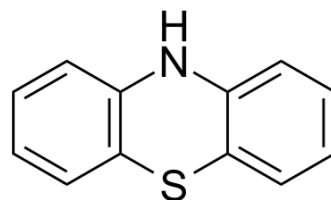


Phenothiazine

Cat. No.:	HY-Y0055		
CAS No.:	92-84-2		
Molecular Formula:	C ₁₂ H ₉ NS		
Molecular Weight:	199.27		
Target:	Antibiotic; Fungal; Bacterial		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 150 mg/mL (752.75 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	5.0183 mL	25.0916 mL	50.1832 mL
		5 mM	1.0037 mL	5.0183 mL	10.0366 mL
10 mM		0.5018 mL	2.5092 mL	5.0183 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 3.75 mg/mL (18.82 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Phenothiazine is an antibiotic which has insecticidal, fungicidal, antibacterial and anthelmintic activities. Phenothiazine also can be used for the research of neurological diseases ^{[1][2]} .
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REFERENCES

- [1]. Mitchell SC, et, al. The toxicity of phenothiazine. Drug Metabol Drug Interact. 1994;11(3):201-35.
- [2]. Ohlow MJ, et, al. Phenothiazine: the seven lives of pharmacology's first lead structure. Drug Discov Today. 2011 Feb;16(3-4):119-31.

Caution: Product has not been fully validated for medical applications. For research use only.

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