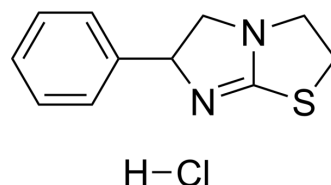


Tetramisole hydrochloride

Cat. No.:	HY-B1194
CAS No.:	5086-74-8
Molecular Formula:	C ₁₁ H ₁₃ ClN ₂ S
Molecular Weight:	240.75
Target:	Parasite; Phosphatase; Antibiotic
Pathway:	Anti-infection; Metabolic Enzyme/Protease
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 100 mg/mL (415.37 mM; Need ultrasonic)
DMSO : 10 mg/mL (41.54 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
	1 mM		4.1537 mL	20.7684 mL	41.5369 mL
	5 mM		0.8307 mL	4.1537 mL	8.3074 mL
	10 mM		0.4154 mL	2.0768 mL	4.1537 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: PBS
Solubility: 110 mg/mL (456.91 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 1 mg/mL (4.15 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 1 mg/mL (4.15 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 1 mg/mL (4.15 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Tetramisole hydrochloride is an inhibitor of alkaline phosphatases, is a high purity antiparasitic.

REFERENCES

[1]. Nowak LG, et al. Tetramisole and Levamisole Suppress Neuronal Activity Independently from Their Inhibitory Action on Tissue Non-specific Alkaline Phosphatase in Mouse Cortex. Subcell Biochem. 2015;76:239-81.

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

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