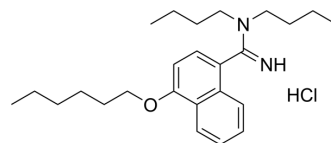


Bunamidine hydrochloride

Cat. No.:	HY-145079
CAS No.:	1055-55-6
Molecular Formula:	C ₂₅ H ₃₉ ClN ₂ O
Molecular Weight:	419.04
Target:	Parasite
Pathway:	Anti-infection
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 33.33 mg/mL (79.54 mM; ultrasonic and warming and heat to 60°C)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.3864 mL	11.9320 mL	23.8641 mL
		5 mM	0.4773 mL	2.3864 mL	4.7728 mL
10 mM		0.2386 mL	1.1932 mL	2.3864 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 1.67 mg/mL (3.99 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 1.67 mg/mL (3.99 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 1.67 mg/mL (3.99 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	Bunamidine hydrochloride is a veterinary anti-platyhelminthic agent used for Echinococcus granulosus and Taenia hydatigena ^[1] .
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REFERENCES

[1]. Gemmell MA, et al. Treatment of Echinococcus granulosus and Taenia hydatigena in dogs with bunamidine hydroxynaphthoate in a prepared food. Res Vet Sci.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA