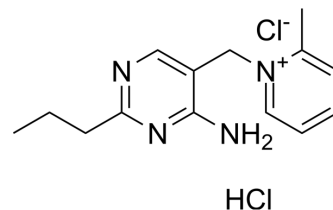


## Amprolium hydrochloride

Cat. No.:	HY-B0937A
CAS No.:	137-88-2
Molecular Formula:	C <sub>14</sub> H <sub>20</sub> Cl <sub>2</sub> N <sub>4</sub>
Molecular Weight:	315.24
Target:	Parasite
Pathway:	Anti-infection
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	H <sub>2</sub> O : ≥ 200 mg/mL (634.44 mM) * "≥" means soluble, but saturation unknown.				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	3.1722 mL	15.8609 mL	31.7219 mL
		5 mM	0.6344 mL	3.1722 mL	6.3444 mL
		10 mM	0.3172 mL	1.5861 mL	3.1722 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: PBS Solubility: 100 mg/mL (317.22 mM); Clear solution; Need ultrasonic				

### BIOLOGICAL ACTIVITY

Description	Amprolium hydrochloride is a coccidiostat used in poultry, is a thiamine analogue and blocks the thiamine transporter of Eimeria species by blocking thiamine uptake it prevents carbohydrate synthesis.
IC <sub>50</sub> & Target	Coccidia

### REFERENCES

- [1]. Iqbal A, et al. Antiparasitic efficacy of Artemisia absinthium, toltrazuril and amprolium against intestinal coccidiosis in goats. J Parasit Dis. 2013 Apr;37(1):88-93.
- [2]. Lindsay DS, et al. Effects of sulfadiazine and amprolium on Neospora caninum (Protozoa: Apicomplexa) infections in mice. J Parasitol. 1990 Apr;76(2):177-9.

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**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](mailto:tech@MedChemExpress.com)

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