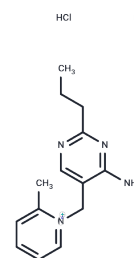


Amprolium Hydrochloride

Chemical Properties

CAS No. :	137-88-2
Formula:	C ₁₄ H ₁₉ ClN ₄ ·HCl
Molecular Weight:	315.24
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Amprolium Hydrochloride (Amprolium HCl) is a coccidiostat that interferes with thiamine metabolism.
Targets(IC50)	Parasite
In vitro	In Hubbard broilers, Amprolium HCl (30 mg/kg, i.v.) achieves a peak plasma concentration (C _{max}) of 42.9 mg/mL at 3.67 hours.

Solubility Information

Solubility	H ₂ O: 10 mM, Sonication is recommended. DMSO: Insoluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.0634 mL	0.3172 mL	0.6344 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.

Reference

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 el-Sayed MG, et al. Dtsch Tierarztl Wochenschr, 1995, 102(12), 481-485.
 ABBAS Rao Z, et al. Pesq. Vet. Bras, 2011, 31(5), 425-429.

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