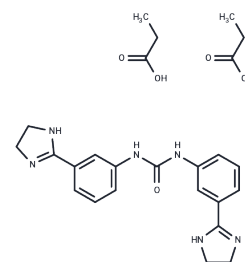


Imidocarb dipropionate

Chemical Properties

CAS No. :	55750-06-6
Formula:	C ₂₅ H ₃₂ N ₆ O ₅
Molecular Weight:	496.56
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Imidocarb dipropionate is an antigenic insecticide, is active against the protozoan parasite <i>B. bovis</i> (IC ₅₀ : 0.87 µg/ml).
Targets(IC ₅₀)	Antibiotic,Parasite

Solubility Information

Solubility	DMSO: 39 mg/mL (78.54 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (2.01 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0139 mL	10.0693 mL	20.1386 mL
5 mM	0.4028 mL	2.0139 mL	4.0277 mL
10 mM	0.2014 mL	1.0069 mL	2.0139 mL
50 mM	0.0403 mL	0.2014 mL	0.4028 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Baneth, Gad. Antiprotozoal treatment of canine babesiosis[J]. Veterinary Parasitology, 2018:S0304401718301018.
Doyle R L , Fritzen A , Bottari N B , et al. Imidocarb dipropionate in the treatment of Anaplasma marginale in cattle: Effects on enzymes of the antioxidant, cholinergic, and adenosinergic systems[J]. Microbial Pathogenesis, 2016: S0882401016302315.

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