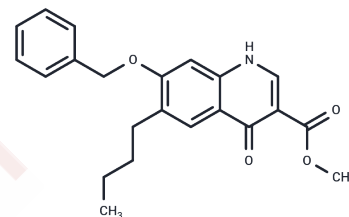


Nequinatate

Chemical Properties

CAS No. :	13997-19-8
Formula:	C ₂₂ H ₂₃ N ₁ O ₄
Molecular Weight:	365.42
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Nequinatate is an anticoccidial agent, preventing coccidiosis .
Targets(IC50)	Parasite,Xanthine Oxidase

Solubility Information

Solubility	DMSO: 3.66 mg/mL (10.02 mM),Sonication is recommended. H ₂ O: Insoluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7366 mL	13.6829 mL	27.3658 mL
5 mM	0.5473 mL	2.7366 mL	5.4732 mL
10 mM	0.2737 mL	1.3683 mL	2.7366 mL
50 mM	0.0547 mL	0.2737 mL	0.5473 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

Takayuki, Nakajima, Hiroshi, et al. [Determination of nequinatate and buquinolate in livestock products using liquid chromatography-tandem mass spectrometry]. Shokuhinseigaku Zasshi Journal of the Food Hygienic Society of Japan, 2011.

Kaduk J A, Gindhart A M, Gates-Rector S, et al. Crystal structure of nequinatate, C₂₂H₂₃NO₄. Powder Diffraction. 2022: 1-5.

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