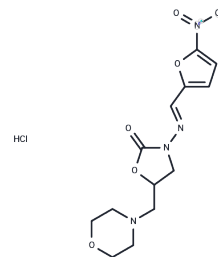


Furaltadone hydrochloride

Chemical Properties

CAS No. :	3759-92-0
Formula:	C ₁₃ H ₁₆ N ₄ O ₆ ·HCl
Molecular Weight:	360.75
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	Furaltadone hydrochloride (Furaltadone HCl) is an antibacterial and shows distinct curative effect in the treatment of coccidiosis.
Targets(IC50)	Antibacterial,Antibiotic,Parasite
In vitro	Isoniazide as well as AOZ and 3-amino-5-morpholinomethyl-2-oxazolidinone (AMOZ), the latter deriving from furaltadone, cause irreversible damage to the prosthetic group of enzymes as well as degrade their polypeptide chain and cause fragmentation of the backbone chain of cellular or isolated DNA and RNA.

Solubility Information

Solubility	Ethanol: < 1 mg/mL (insoluble or slightly soluble), H ₂ O: 66 mg/mL (182.95 mM),Sonication is recommended. DMSO: 16.67 mg/mL (46.21 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 (2.77 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	2.772 mL	13.860 mL	27.720 mL
5 mM	0.5544 mL	2.772 mL	5.544 mL
10 mM	0.2772 mL	1.386 mL	2.772 mL
50 mM	0.0554 mL	0.2772 mL	0.5544 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

Zolla L, et al. Biochem Cell Biol, 2005, 83(2), 166-175.

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