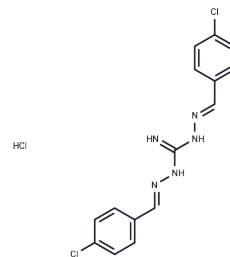


Robenidine hydrochloride

Chemical Properties

CAS No. :	25875-50-7
Formula:	C ₁₅ H ₁₄ Cl ₃ N ₅
Molecular Weight:	370.66
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	Robenidine hydrochloride (Robenidine Hydrochloride) is an anticoccidial agent mainly used in poultry.
Targets(IC50)	Antibacterial, Antibiotic, Parasite

Solubility Information

Solubility	DMSO: 45 mg/mL (121.41 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 (2.7 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	2.6979 mL	13.4895 mL	26.9789 mL
5 mM	0.5396 mL	2.6979 mL	5.3958 mL
10 mM	0.2698 mL	1.3489 mL	2.6979 mL
50 mM	0.054 mL	0.2698 mL	0.5396 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

Yeom H, et al. Arch Pharm Res. 2013 Mar;36(3):359-65.

Mei Y, Jiang T, Zou Y, et al. FDA Approved Drug Library Screening Identifies Robenidine as a Repositionable Antifungal. Frontiers in Microbiology. 2020, 11: 996

Mei Y, Jiang T, Zou Y, et al. FDA Approved Drug Library Screening Identifies Robenidine as a Repositionable Antifungal[J]. Frontiers in Microbiology. 2020, 11: 996.

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