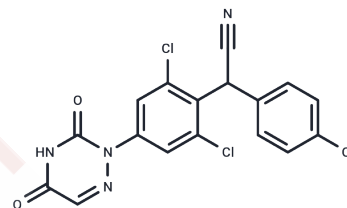


Diclazuril

Chemical Properties

CAS No. :	101831-37-2
Formula:	C17H9Cl3N4O2
Molecular Weight:	407.64
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	Diclazuril (R-64433) is a coccidiostat.
Targets(IC50)	Antibiotic,Parasite

Solubility Information

Solubility	Ethanol: < 1 mg/mL (insoluble or slightly soluble), H2O: < 1 mg/mL (insoluble or slightly soluble), DMSO: 18.33 mg/mL (44.97 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 1.5 mg/mL (3.68 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	2.4531 mL	12.2657 mL	24.5314 mL
5 mM	0.4906 mL	2.4531 mL	4.9063 mL
10 mM	0.2453 mL	1.2266 mL	2.4531 mL
50 mM	0.0491 mL	0.2453 mL	0.4906 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

Oz HS, et al. Int J Clin Med. 2014 Jan 1;5(3):93-101.

Kaduk J A, Gates-Rector S, Blanton T N. Crystal structure of diclazuril, C₁₇H₉Cl₃N₄O₂. Powder Diffraction. 2022: 1-5.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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