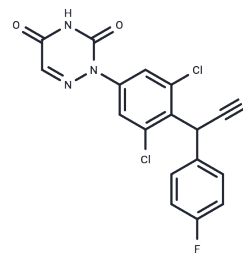


Letrazuril

Chemical Properties

CAS No. :	103337-74-2
Formula:	C ₁₇ H ₉ Cl ₂ FN ₄ O ₂
Molecular Weight:	391.18
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	Letrazuril is an antibacterial compound with inhibitory activity against Eimeria, Mycobacterium bovis BCG, and Mycobacterium tuberculosis.
Targets(IC50)	Antibacterial

Solubility Information

Solubility	DMSO: 40 mg/mL (102.25 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: 3.3 mg/mL (8.44 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	2.5564 mL	12.7818 mL	25.5637 mL
5 mM	0.5113 mL	2.5564 mL	5.1127 mL
10 mM	0.2556 mL	1.2782 mL	2.5564 mL
50 mM	0.0511 mL	0.2556 mL	0.5113 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

Zhu L, et al. Construction of Lux-Based Promoter-Reporter Platforms in Mycobacterium Bovis BCG for Screening of Drug Repurposing Small-Molecule Compounds as New Anti-Tuberculosis Drugs. Cold Spring Harbor Laboratory; 2021.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481