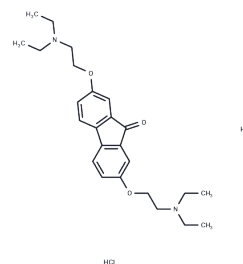


Tilorone dihydrochloride

Chemical Properties

CAS No. : 27591-69-1
 Formula: C₂₅H₃₆Cl₂N₂O₃
 Molecular Weight: 483.47
 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	Tilorone dihydrochloride, an orally active interferon inducer, exhibits both antineoplastic and anti-inflammatory actions.
Targets(IC50)	HIF/HIF Prolyl-Hydroxylase,IFNAR,Influenza Virus
In vivo	T0242L

Solubility Information

Solubility	H ₂ O: 198.6 mM,Sonication is recommended. DMSO: 4.84 mg/mL (10.01 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 (2.07 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	2.0684 mL	10.3419 mL	20.6838 mL
5 mM	0.4137 mL	2.0684 mL	4.1368 mL
10 mM	0.2068 mL	1.0342 mL	2.0684 mL
50 mM	0.0414 mL	0.2068 mL	0.4137 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

Stringfellow DA, Glasgow LA. Antimicrob Agents ChemOthers. 1972 Aug;2(2):73-8.

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