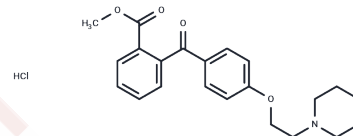


Pitofenone hydrochloride

Chemical Properties

CAS No. :	1248-42-6
Formula:	C ₂₂ H ₂₆ ClNO ₄
Molecular Weight:	403.9
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	Pitofenone hydrochloride (Pitophenone hydrochloride), a spasmolytic compound, inhibits the acetylcholinesterase (AChE) activity from bovine erythrocytes and from electric eel with Kis of 36 and 45 μM, respectively.
Targets(IC50)	Cholinesterase (ChE)

Solubility Information

Solubility	DMSO: 45 mg/mL (111.41 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 (2.48 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	2.4759 mL	12.3793 mL	24.7586 mL
5 mM	0.4952 mL	2.4759 mL	4.9517 mL
10 mM	0.2476 mL	1.2379 mL	2.4759 mL
50 mM	0.0495 mL	0.2476 mL	0.4952 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

Punekar NS,etal.Acetylcholinesterase inhibition by pitofenone: a spasmolytic compound.Biotechnol Appl Biochem. 1991 Dec;14(3):378-82.

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