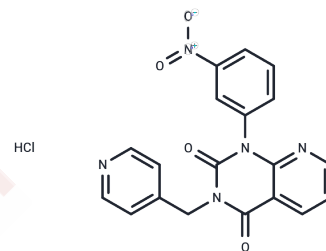


RS-25344 hydrochloride

Chemical Properties

CAS No. :	152815-28-6
Formula:	C ₁₉ H ₁₄ ClN ₅ O ₄
Molecular Weight:	411.8
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	RS 25344 hydrochloride is a phosphodiesterase (PDE) 4 inhibitor
Targets(IC50)	PDE

Solubility Information

Solubility	H ₂ O: < 20.59 mg/mL, Sonication is recommended. DMSO: 50 mg/mL (121.42 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: 2 mg/mL (4.86 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	2.4284 mL	12.1418 mL	24.2836 mL
5 mM	0.4857 mL	2.4284 mL	4.8567 mL
10 mM	0.2428 mL	1.2142 mL	2.4284 mL
50 mM	0.0486 mL	0.2428 mL	0.4857 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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