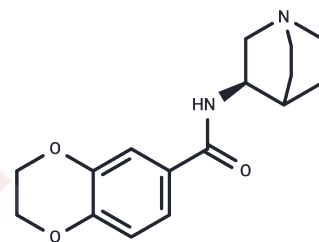


PHA 568487 free base

Chemical Properties

CAS No. : 527680-56-4
 Formula: C₁₆H₂₀N₂O₃
 Molecular Weight: 288.34
 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	The quinuclidine PHA 568487 free base is an agonist of the alpha 7 nicotinic acetylcholine receptor that was designed to mitigate the bioactivation associated with the core scaffold and subsequently remove associated liabilities with in vivo tolerability.
Targets(IC50)	AChR

Solubility Information

Solubility	DMSO: 30 mg/mL (104.04 mM),Sonication is recommended. H ₂ O: < 40.44 mg/mL (100 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 (6.94 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	3.4681 mL	17.3406 mL	34.6813 mL
5 mM	0.6936 mL	3.4681 mL	6.9363 mL
10 mM	0.3468 mL	1.7341 mL	3.4681 mL
50 mM	0.0694 mL	0.3468 mL	0.6936 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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