

PSB-1434

Chemical Properties

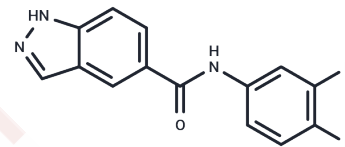
CAS No. : 1619884-65-9

Formula: C₁₄H₉F₂N₃O

Molecular Weight: 273.24

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	PSB-1434 is a selective and competitive monoamine oxidase B inhibitor with IC ₅₀ of 1.59 nM, selectivity versus MAO-A>6000-fold.
Targets(IC ₅₀)	MAO, Monoamine Oxidase

Solubility Information

Solubility	DMSO: 45 mg/mL (164.69 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 (3.66 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	3.6598 mL	18.2989 mL	36.5979 mL
5 mM	0.732 mL	3.6598 mL	7.3196 mL
10 mM	0.366 mL	1.8299 mL	3.6598 mL
50 mM	0.0732 mL	0.366 mL	0.732 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

Tzvetkov NT, Hinz S, Küppers P, Gastreich M, Müller CE. Indazole- and indole-5-carboxamides: selective and reversible monoamine oxidase B inhibitors with subnanomolar potency. J Med Chem. 2014 Aug 14;57(15):6679-703. doi: 10.1021/jm500729a. Epub 2014 Jul 16. PubMed PMID: 24955776.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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