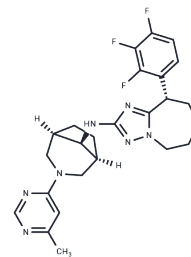


RO7185876

Chemical Properties

CAS No. : 2226038-71-5
 Formula: C₂₅H₂₈F₃N₇
 Molecular Weight: 483.532
 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	RO7185876 is a selective gamma secretase modulator, which can be used in the study of Alzheimer's disease.
Targets(IC50)	Gamma-secretase

Solubility Information

Solubility	DMSO: 25 mg/mL (51.7 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 (4.14 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	2.0681 mL	10.3406 mL	20.6812 mL
5 mM	0.4136 mL	2.0681 mL	4.1362 mL
10 mM	0.2068 mL	1.0341 mL	2.0681 mL
50 mM	0.0414 mL	0.2068 mL	0.4136 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

Ratni H, et al. Discovery of RO7185876, a Highly Potent γ -Secretase Modulator (GSM) as a Potential Treatment for Alzheimer's Disease. ACS Med Chem Lett. 2020 Apr 27;11(6):1257-1268.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481