

RGH-560

Chemical Properties

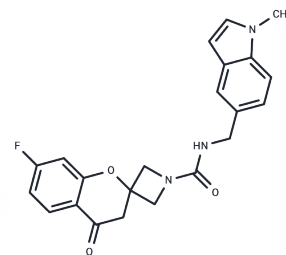
CAS No. : 2408799-43-7

Formula: C₂₂H₂₀FN₃O₃

Molecular Weight: 393.41

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	RGH-560 (compound 53) exhibits highly advanced $\alpha 7$ nAChR positive modulation, favorable physicochemical properties, and robust in vivo procognitive potential. It is useful for studying Scopolamine-induced amnesia in mice [1].
Targets(IC50)	AChR
In vivo	<p>RGH-560 (compound 53), when administered intraperitoneally at doses of 1 mg/kg, 3 mg/kg, and 10 mg/kg, significantly enhances cognition in mice with scopolamine-induced amnesia. RGH-560 is characterized by moderate clearance and exhibits no toxicity in mice at doses up to 30 mg/kg [1].</p> <p>Animal Model: Mice with scopolamine-induced amnesia [1] Dosage: 1 mg/kg, 3 mg/kg, 10 mg/kg Administration: Intraperitoneal injection (i.p.) Result: Reversed the scopolamine-induced cognitive impairment.</p>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5419 mL	12.7094 mL	25.4188 mL
5 mM	0.5084 mL	2.5419 mL	5.0838 mL
10 mM	0.2542 mL	1.2709 mL	2.5419 mL
50 mM	0.0508 mL	0.2542 mL	0.5084 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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