

LASSBio-873

Chemical Properties

CAS No. : 873694-54-3

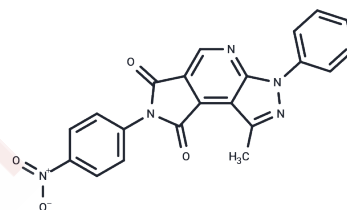
Formula: C₂₁H₁₃N₅O₄

Molecular Weight: 399.36

Keep away from direct sunlight

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	LASSBio-873 is a potent and selective 5-HT ₄ receptor agonist. It exhibits prokinetic and neuroprotective activities, used for gastrointestinal disorders and memory enhancement research.
Targets(IC ₅₀)	5-HT Receptor
In vivo	Oral LASSBio-873 shows dose-dependent anti-hyperalgesic effects in rats via spinal dorsal horn M ₂ receptors [1].

Solubility Information

Solubility	DMSO: 1.6 mg/mL (4.01 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.504 mL	12.520 mL	25.0401 mL
5 mM	0.5008 mL	2.504 mL	5.008 mL
10 mM	0.2504 mL	1.252 mL	2.504 mL
50 mM	0.0501 mL	0.2504 mL	0.5008 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

Conejo-García A, et al. Homodimeric bis-quaternary heterocyclic ammonium salts as potent acetyl- and butyrylcholinesterase inhibitors: a systematic investigation of the influence of linker and cationic heads over affinity and selectivity. J Med Chem. 2011;54(8):2627-2645.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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