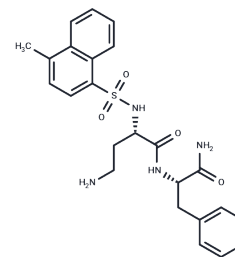


J-2156

Chemical Properties

CAS No. : 848647-56-3
 Formula: C₂₄H₂₈N₄O₄S
 Molecular Weight: 468.57
 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 ED ₅₀ of J-2156 in rats for the relief of mechanical allodynia and mechanical hyperalgesia in the ipsilateral hindpaws was 3.7 and 8.0 mg/kg, respectively. J-2156 is a high potent, selective somatostatin receptor type 4 (SST4 receptor) agonist with IC ₅₀ s of 0.05 nM and 0.07 nM for human and rat SST4 receptors, respectively.
Targets(IC ₅₀)	Others,Somatostatin
In vivo	J-2156 of single bolus doses has anti-allodynic effect on ipsilateral and contralateral in BCIBP-rats.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1342 mL	10.6708 mL	21.3415 mL
5 mM	0.4268 mL	2.1342 mL	4.2683 mL
10 mM	0.2134 mL	1.0671 mL	2.1342 mL
50 mM	0.0427 mL	0.2134 mL	0.4268 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

Shenoy PA, et al. The Somatostatin Receptor-4 Agonist J-2156 Alleviates Mechanical Hypersensitivity in a Rat Model of Breast Cancer Induced Bone Pain. Front Pharmacol. 2018 May 15;9:495.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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