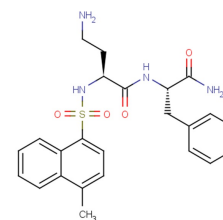


J-2156

**Chemical Properties**

CAS No.:	848647-56-3
Formula:	C <sub>24</sub> H <sub>28</sub> N <sub>4</sub> O <sub>4</sub> S
Molecular Weight:	468.57
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	The ED <sub>50</sub> 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 <sub>50</sub> s of 0.05 nM and 0.07 nM for human and rat SST4 receptors, respectively.
Targets(IC <sub>50</sub> )	human SST4: 0.05 nM rat SST4: 0.07 nM
In vivo	J-2156 of single bolus doses has anti-allodynic effect on ipsilateral and contralateral in BCIBP-rats.

**Solubility Information**

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.134 mL	10.671 mL	21.342 mL
5 mM	0.427 mL	2.134 mL	4.268 mL
10 mM	0.213 mL	1.067 mL	2.134 mL
50 mM	0.043 mL	0.213 mL	0.427 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

1. 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.

Inhibitors · Natural Compounds · Compound Libraries

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