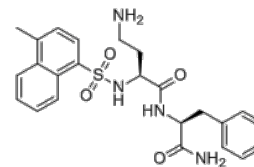


Product Name : J-2156
Cat. No. : PC-49080
CAS No. : 848647-56-3
Molecular Formula : C₂₄H₂₈N₄O₄S
Molecular Weight : 468.572
Target : Somatostatin Receptor
Solubility : 10 mM in DMSO



Biological Activity

J-2156 is a highly potent, selective somatostatin **SST4 receptor** agonist with binding K_i value of 1.2 nM (hSST4R), >400-fold selectivity over other human somatostatin receptor subtypes.

J-2156 acts as a apparent full agonist by completely inhibiting the forskolin-stimulated adenylyl cyclase activity with EC₅₀ of 70 nM.

J-2156 (1-100 microg/kg i.p.) inhibited nocifensive behaviour of mice in the second phase of the formalin test.

J-2156 inhibited sciatic nerve ligation-induced neuropathic mechanical hyperalgesia.

References

Engström M, et al. *J Pharmacol Exp Ther*. 2005 Jan;312(1):332-8.

Engström M, et al. *J Pharmacol Exp Ther*. 2006 Mar;316(3):1262-8.

Sándor K, et al. *Eur J Pharmacol*. 2006 Jun 6;539(1-2):71-5.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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