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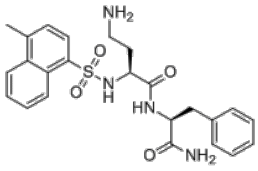
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	J-2156
Cat. No.	:	PC-49080
CAS No.	:	848647-56-3
Molecular Formula	:	$C_{24}H_{28}N_4O_4S$
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 Ki 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.

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