

Product Data Sheet

Cas No.:	2387505-73-7	Cat. No:	PL11411
Product Name:	J-2156 TFA		
Product synonym:	-		
Chemical name:	J-2156 TFA		
MF:	C24H28N4O4S.C2HF3O2	FW:	-
Purity:	≥99%	Batch No.:	-
Storage:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	-		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

J-2156 TFA 是一种高效，选择性的生长抑素受体 4 型 (SST₄) 激动剂，对于人和大鼠 SST₄ 受体的 IC₅₀ 分别为 0.05 nM 和 0.07 nM。J-2156 TFA 具有抗炎作用，可以缓解大鼠同侧后爪的机械性异常性疼痛和机械性痛觉过敏。

生物活性	J-2156 TFA is a high potent, selective somatostatin receptor type 4 (SST 4 receptor) agonist with IC ₅₀ s of 0.05 nM and 0.07 nM for human and rat SST 4 receptors, respectively. J-2156 TFA has anti-inflammatory activity and it is used for the relief of mechanical allodynia and mechanical hyperalgesia in the ipsilateral hindpaws in rats.
IC ₅₀ & Target[1][2]	IC ₅₀ : 0.05 nM (human SST ₄) and 0.07 nM (rat SST ₄)
体外研究(In Vitro)	J-2156 TFA binds with nanomolar affinity to the human somatostatin receptor subtype 4 (hsst4: Ki=1.2 nM) and is over 400-fold subtype-selective against the other somatostatin receptors (hsst1: Ki=0.5 μM; hsst2: Ki>5 μM; hsst3: Ki=1.4 μM; hsst5: Ki=0.54 μM) in Chinese hamster ovary (CHO) cells. has not independently confirmed the accuracy of these methods. They are for reference only.
体内研究(In Vivo)	J-2156 TFA (1-10 mg/kg; i.p.; for 3 hours) of single bolus doses has anti-allodynic effect on ipsilateral and contralateral in BC1BP-rats. has not independently confirmed the accuracy of these methods. They are for reference only. Animal Model:
包装储存	Sealed storage, away from moisture and light, under nitrogen Powder -80°C 2 years; -20°C 1 ye
溶解度数据	In Vitro: H ₂ O : 100 mg/mL (171.65 mM; Need ultrasonic) DMSO : 100 mg/mL (171.65 mM; Need ultrasonic) 配制储备液