

Product Name : MK-8825

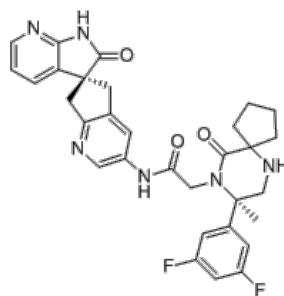
Synonyms : MK8825

Cat No. : M11576

CAS Number : 1380887-60-4

Molecular Formula : C₃₁H₃₀F₂N₆O₃

Formula Weight : 572.62



Chemical Name : 2-[(8R)-8-(3,5-difluorophenyl)-8-methyl-10-oxo-6,9-diazaspiro[4.5]dec-9-yl]-N-[(6S)-2'-oxo-1',2',5,7-tetrahydrospiro[cyclopenta[b]pyridine-6,3'-pyrrolo[2,3-b]pyridin]-3-yl]acetamide

Description : MK-8825 is a highly potent, selective, orally bioavailable CGRP receptor antagonist with K_i of 17 nM for rat CGRP; blocks hCGRP-stimulated cAMP responses in HEK293 cells stably expressing the human CGRP receptor with IC₅₀ of 0.23 nM; possesses significantly improved in vivo potency in rat pharmacodynamic models. Migraine Phase 1 Clinical

Pathway : GPCR/G Protein

Target : CGRP Receptor

Receptor : CGRP Receptor

Solubility : —

SMILES : CC1(CNC2(CCCC2)C(=O)N1CC(=O)NC3=CC4=C(C(C5(C4)C6=C(NC5=O)N=CC=C6)N=C3)C7=CC(=CC(=C7)F)F

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Bell IM, et al. Bioorg Med Chem Lett. 2012 Jun 15;22(12):3941-5. | 2. Michot B, et al. Eur J Pain. 2015 Feb;19(2):281-90. | 3. Romero-Reyes M, et al. Exp Neurol. 2015 Sep;271:95-103. | 4. Feistel S, et al. J Headache Pain. 2013 Nov 20;14:93.