
PF-04457845

产品编号: D51276

CAS: 1020315-31-4

分子式: C₂₃H₂₀F₃N₅O₂

纯度: ≥98%

InChi: InChI=1S/C₂₃H₂₀F₃N₅O₂/c24-23(25,26)18-6-7-21(27-15-18)33-19-4-1-3-17(14-19)13-16-8-11-31(12-9-16)22(32)29-20-5-2-10-28-30-20/h1-7,10,13-15H,8-9,11-12H₂, (H,29,30,32)

InChi Key: BATCTBJIJJEPHM-UHFFFAOYSA-N

Smiles: O=C(NC1=CC=CN=N1)N1CCC(CC1)=CC1=CC(=CC=C1)OC1C=CC(=CN=1)C(F)(F)F

外观: 固体粉末

作用通路: Autophagy

溶解性: Soluble in DMSO, not in water

保存条件: Store in dry, dark place for one year.

产品介绍: PF-04457845 is a potent and exquisitely selective inhibitor of the enzyme fatty acid amide hydrolase (FAAH), with an IC₅₀ of 7.2nM, and both analgesic and antiinflammatory effects in animal studies comparable to naproxen. It has been well tolerated in human trials even at high dose ranges with no evidence for cognitive dysfunction, and has completed Phase II clinical trials for the treatment of osteoarthritis, but was found to be ineffective.