
Fevipirant

产品编号: D51577

CAS: 872365-14-5

分子式: C₁₉H₁₇F₃N₂O₄S

纯度: ≥98%

InChi: InChi=1S/C₁₉H₁₇F₃N₂O₄S/c1-11-15(9-17(25)26)14-4-3-7-23-18(14)24(11)10-12-5-6-13(29(2,27)28)8-16(12)19(20,21)22/h3-8H,9-10H2,1-2H3,(H,25,26)

InChi Key: GFPPXZDRVCSVNR-UHFFFAOYSA-N

Smiles: CC1=C(CC(O)=O)C2=CC=CN=C2N1CC1C=CC(=CC=1C(F)(F)F)S(C)(=O)=O

外观: 固体粉末

作用通路: Prostaglandin Receptor

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: Fevipirant, also known as NVP-QAW039 or QAW039, is an oral active and potent CRTh₂ receptor antagonist and potentially useful for asthma treatment. [(3)H]-QAW039 displayed high affinity for the human CRTh₂ receptor (1.14 ± 0.44 nM) expressed in Chinese hamster ovary cells, the binding being reversible and competitive with the native agonist prostaglandin D₂(PGD₂). QAW039 was also a potent inhibitor of PGD₂-induced cytokine release in human Th₂ cells. Fevipirant reduces eosinophilic airway inflammation and is well tolerated in patients with persistent moderate-to-severe asthma and raised sputum eosinophil counts despite inhaled corticosteroid treatment. Fevipirant demonstrates a favorable safety profile.