

Fevipiprant

Catalog No: tcsc5956



Available Sizes

Size: 5mg

Size: 10mg

Size: 25mg

Size: 50mg

Size: 100mg

Size: 200mg



Specifications

CAS No:

872365-14-5

Formula:

$C_{19}H_{17}F_3N_2O_4S$

Pathway:

GPCR/G Protein;Immunology/Inflammation;GPCR/G Protein

Target:

CRTH2 (GPR44);CRTH2 (GPR44);Prostaglandin Receptor

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 32 mg/mL (75.05 mM)

Alternative Names:

NVP-QAW039;QAW039

Observed Molecular Weight:

426.41

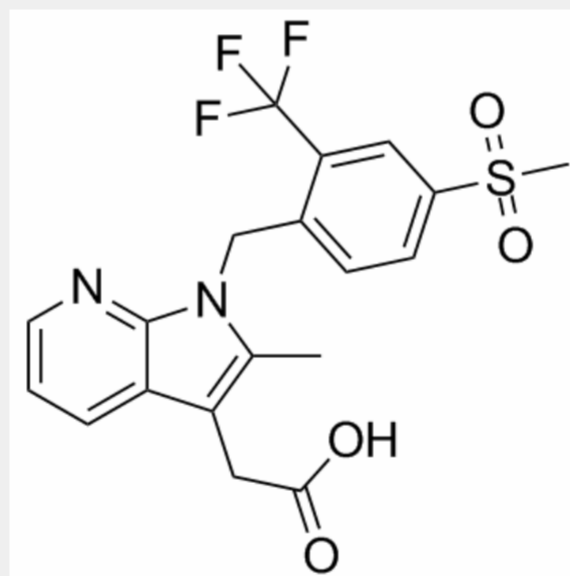
Product Description

Fevipiprant(QAW039) is a selective, potent, reversible competitive CRTh2 antagonist with an in vitro dissociation constant KD value of 1.1nM at the CRTh2 receptor and an IC50 value of 0.44 nM for inhibition of PGD2-induced eosinophil shape change in human whole blood.

IC50:0.44 nM(PGD2-induced eosinophil shape change)

Kd value:1.1nM(CRTh2 receptor)[1]

In vitro: CRTh2-mediated shape change in eosinophils was used to profile QAW039 in whole blood and represents a physiologically relevant environment. The comparable IC50 values for QAW039 in the whole blood and isolated shape-change assays are consistent with its lower plasma-protein binding and its relatively slow dissociation kinetics that drive its increased potency .QAW039 is highly potent in whole-blood systems, with the IC50 value obtained consistent with the affinity values calculated from radioligand experiments. In a further disease-relevant cellular context, the potency of QAW039 in the isolated Th2 cell cytokine inhibition assay is consistent with its CRTh2 receptor affinity, and, as with eosinophil assay readouts, this represents an improved potency compared with QAV680[2].



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