AZD9567

Cat. No.: HY-120012
CAS No.: 1893415-00-3
Molecular Formula: C₂₇H₂₈F₂N₄O₃
Molecular Weight: 494.53
Target: Glucocorticoid Receptor
Pathway: GPCR/G Protein
Storage: Powder
-20°C 3 years
4°C 2 years
In solvent
-80°C 6 months
-20°C 1 month

SOLVENT & SOLUBILITY

In Vitro H₂O : < 0.1 mg/mL (insoluble)

BIOLOGICAL ACTIVITY

Description AZD9567 (compound 15) is a potent, oral active, non-steroidal and selective glucocorticoid receptor modulator (SGRM), with an IC₅₀ of 3.8 nM. Exhibits excellent efficacy in the streptococcal cell wall (SCW) reactivation model of joint inflammation[1].

IC₅₀ & Target IC₅₀: 3.8 nM (Glucocorticoid receptor)[1].

In Vivo AZD9567 (15 mg/kg/day, Oral gavage daily for 8 days) treatment shows excellent in vivo efficacy in a rat model of joint inflammation[3].

Animal Model: Antigen-induced joint inflammation model in female Lewis rats (175-200 g), sensitized by an intra-articular injection of 5 μg of SCW[1].

Dosage: 15 mg/kg/day.
Administration: Oral gavage daily for 8 days.
Result: Inhibited ankle swelling in the rat SCW model.

REFERENCES
