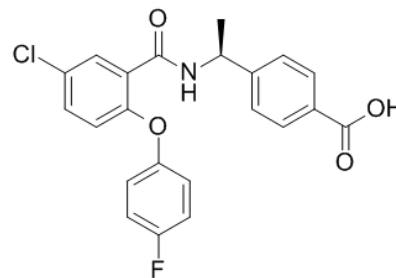


Product Name : CJ-42794
Cat. No. : PC-42700
CAS No. : 847728-01-2
Molecular Formula : C₂₂H₁₇ClFNO₄
Molecular Weight : 413.8261
Target : Prostaglandin Receptor
Solubility : DMSO: ≥ 28 mg/mL



Biological Activity

A selective prostaglandin E receptor subtype 4 (EP4) antagonist with pK_i of 8.5; displays >200-fold more selective for human EP4 receptor than EP1, EP2, and EP3; competitively inhibits PGE₂-evoked elevations of intracellular cAMP levels in HEK293 cells overexpressing EP4 receptor with a mean pA₂ value of 8.6; reverses the inhibitory effects of PGE₂ on LPS-induced TNF α production.

References

- Takeuchi K, et al. J Pharmacol Exp Ther. 2007 Sep;322(3):903-12.
Murase A, et al. Life Sci. 2008 Jan 16;82(3-4):226-32.
Murase A, et al. Eur J Pharmacol. 2008 Feb 2;580(1-2):116-21.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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