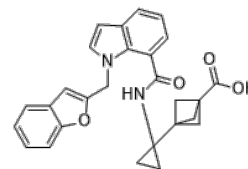


Product Name : KF-0210
Cat. No. : PC-28214
CAS No. : 2455480-28-9
Molecular Formula : C₂₇H₂₄N₂O₄
Molecular Weight : 440.50
Target : Prostaglandin Receptor
Solubility : 10 mM in DMSO



Biological Activity

KF-0210 is a potent, selective and oral **EP4 receptor** antagonist with binding IC₅₀ of 18.6 nM, shows >500-fold selectivity over other prostaglandin receptors, including EP1, EP2, EP3, IP, DP1, and FP.

KF-0210 increases LPS-induced TNFα release (IC₅₀=4.5 nM) in the presence of PGE2 in human PBMCs.

KF-0210 inhibits PGE2-induced cAMP production with IC₅₀ of 1.06 nM in MCF-7 cells and 0.915 nM in Flpin-293-mEP4 cells.

KF-0210 increases the tumor-killing immune cells in the tumor in CT26 mouse model of colorectal cancer.

Combination treatment of KF-0210 and PD-1/PD-L1 antibodies shows a superior therapeutic effect compared to the monotherapy of each treatment.

References

Yongqi Deng, et al. *Cancer Res* (2023) 83 (7_Supplement): 2330.

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

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