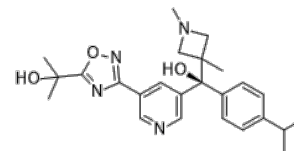


Product Name : IDOR-1117-2520
Cat. No. : PC-22322
CAS No. : 2737274-49-4
Molecular Formula : C₂₅H₃₂N₄O₃
Molecular Weight : 436.56
Target : Chemokine Receptor (CCR and CXCR)
Solubility : 10 mM in DMSO



CAS: 2737274-49-4

Biological Activity

IDOR-1117-2520 is a potent, selective **CCR6** antagonist with IC₅₀ of 62.9 nM for CCL20-mediated calcium flow inhibition in FLIPR calcium mobilization assay.

IDOR-1117-2520 shows no inhibitory activity at 10 μM for any of the tested related chemokine receptors (CCR5, CCR7, CCR8, CXCR2, CXCR3, CXCR4, CXCR5, and CXCR6).

IDOR-1117-2520 has IC₅₀ of 20 nM in functional assay of receptor internalization (RI) performed in human whole blood.

IDOR-1117-2520 inhibits β-arrestin recruitment to human CCR6 induced by the addition of CCL20.

IDOR-1117-2520 (50 nM) inhibited cell migration toward CCL20 by 40 and 50% of the maximal migration for B cells and T cells, respectively.

References

Meyer EA, et al. *J Med Chem*. 2024 May 10. doi: 10.1021/acs.jmedchem.4c00186.

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

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