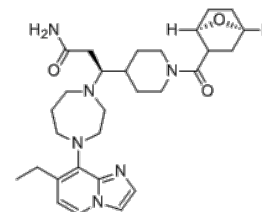


Product Name : CXCR7 modulator 18
Cat. No. : PC-72636
CAS No. : 2227426-37-9
Molecular Formula : C₂₉H₄₂N₆O₃
Molecular Weight : 522.694
Target : Chemokine Receptor (CCR and CXCR)
Solubility : 10 mM in DMSO



Biological Activity

CXCR7 modulator 18 is a novel potent, selective **CXCR7** modulator with K_i of 13 nM, β-arrestin EC₅₀ of 11 nM. CXCR7 modulator 18 demonstrates excellent selectivity profile adrenergic α_{1a} K_b >10,000 nM, and adrenergic β₂ K_b, CXCR4 K_i >1 μM.

Administration of CXCR7 modulator 18 in mice led to a statistically significant increase in circulating concentrations of plasma stromal-cell-derived factor 1α (SDF-1α) of approximately 2-fold.

Chronic dosing of compound 18 in a mouse model of isoproterenol-induced cardiac injury further resulted in a statistically significant reduction of cardiac fibrosis.

References

Elnaz Menhaji-Klotz, et al. *J. Med. Chem.* 2018, 61, 8, 3685–3696

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

E-mail: tech@probechem.com