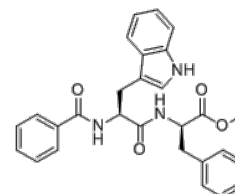


Product Name : HCH6-1
Cat. No. : PC-20392
CAS No. : 1435265-06-7
Molecular Formula : C₂₈H₂₇N₃O₄
Molecular Weight : 469.54
Target : Formyl peptide receptor (FPR)
Solubility : 10 mM in DMSO



Biological Activity

HCH6-1 is a selective, competitive formyl peptide receptor 1 (**FPR1**) antagonist, superoxide anion generation in fMLF (FPR1 agonist)-activated neutrophils with IC₅₀ of 0.32 uM in cell-impermeable cytochrome c reduction assay.

HCH6-1 inhibits superoxide anion generation, elastase release, and chemotaxis in human neutrophils specifically activated by fMLF.

HCH6-1 significantly inhibits elastase release in fMLF-activated neutrophils with IC₅₀ of 0.57 uM.

HCH6-1 reduces inflammatory cell infiltration and distortion of pulmonary architecture in the presence of LPS. HCH6-1 posttreatment shows inhibitory effects on neutrophil accumulation and lung damage in LPS-induced ALI mice

References

Hung-Li Wang, et al. *Biochem Pharmacol.* 2023 Mar 29;115524.

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

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