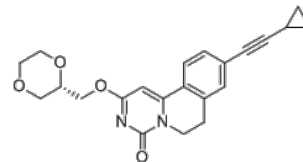


Product Name : GLPG1205
Cat. No. : PC-72356
CAS No. : 1445847-37-9
Molecular Formula : C₂₂H₂₂N₂O₄
Molecular Weight : 378.428
Target : GPR84
Solubility : 10 mM in DMSO



Biological Activity

GLPG1205 is a potent and selective **GPR84** inhibitor (negative allosteric modulator) with IC₅₀ of 54 nM (hGPR84). GLPG1205 is fully selective over close homologs GPR43 (FFA2R) and GPR41 (FFA3R) and >100-fold selective over 123 other GPCRs on a Millipore GPCR Profiler panel. GLPG1205 exhibits high potency in human and rat neutrophil assay with IC₅₀ of 11 nM and 111 nM, respectively. GLPG1205 (once-daily doses of 3 and 10 mg/kg) reduced disease activity index score and neutrophil infiltration in a mouse dextran sodium sulfate-induced chronic inflammatory bowel disease model, with efficacy similar to positive-control compound sulfasalazine.

References

Labéguère F, et al. *J Med Chem*. 2020 Nov 25;63(22):13526-13545.

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

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