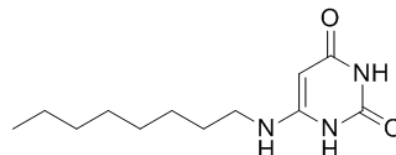


Product Name : 6-OAU
Cat. No. : PC-43189
CAS No. : 83797-69-7
Molecular Formula : C₁₂H₂₁N₃O₂
Molecular Weight : 239.314
Target : GPR84
Solubility : DMSO: < 7 mg/mL



Biological Activity

6-OAU (GTPL5846, 6-n-Octylaminouracil) is a potent, specific agonist of **GPR84** with EC₅₀ of 512 nM in [³⁵S]GTPγS binding assay, without activity for GPR109A and OXER1 in a panel of 69 GPCRs.

6-OAU activates human GPR84 in the presence of Gqi5 chimera in HEK293 cells with EC₅₀ of 105 nM in PI assays, does not activate human GPR40 in HEK293 cells.

6-OAU provokes chemotaxis of PMNs prepared from human peripheral blood with EC₅₀ of 318 nM, amplifies LPS-stimulated production of the proinflammatory cytokine IL-8 from PMNs and TNFα from macrophages.

6-OAU raises the blood CXCL1 level in rats.

References

Suzuki M, et al; *J Biol Chem*. 2013 Apr 12;288(15):10684-91.

Wei L, et al. *J Neuroinflammation*. 2017 Oct 3;14(1):198.

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

E-mail: tech@probechem.com