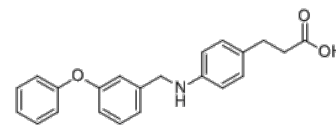


Product Name : GW9508
Cat. No. : PC-20427
CAS No. : 885101-89-3
Molecular Formula : C₂₂H₂₁NO₃
Molecular Weight : 347.41
Target : Free Fatty Acid Receptor (FFAR)
Solubility : 10 mM in DMSO



Biological Activity

GW9508 (GW 9508) is a potent and selective FFA1 (**GPR40**) agonist with pEC₅₀ of 7.32, >1,000-fold selectivity over FFA2 and FFA3 receptors.

GW9508 dose dependently potentiated glucose-stimulated insulin secretion in MIN6 cells, but not in primary rat or mouse islets.

GW9508 potentiate the KCl-mediated increase in insulin secretion in MIN6 cells.

GW9508 suppresses CFA-induced inflammatory chronic pain in vivo.

References

Briscoe CP, et al. *Br J Pharmacol.* 2006 Jul;148(5):619-28.

Tikhonova IG, et al. *J Med Chem.* 2007 Jun 28;50(13):2981-9.

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

E-mail: tech@probechem.com