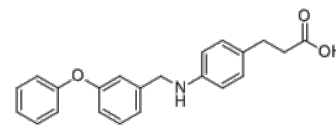


**Product Name** : GW9508  
**Cat. No.** : PC-20427  
**CAS No.** : 885101-89-3  
**Molecular Formula** : C<sub>22</sub>H<sub>21</sub>NO<sub>3</sub>  
**Molecular Weight** : 347.41  
**Target** : Free Fatty Acid Receptor (FFAR)  
**Solubility** : 10 mM in DMSO



## Biological Activity

GW9508 (GW 9508) is a potent and selective FFA1 (GPR40) agonist with pEC<sub>50</sub> 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!**

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