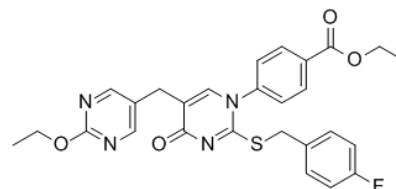


**Product Name** : GW-1100  
**Cat. No.** : PC-45843  
**CAS No.** : 306974-70-9  
**Molecular Formula** : C<sub>27</sub>H<sub>25</sub>FN<sub>4</sub>O<sub>4</sub>S  
**Molecular Weight** : 520.5752  
**Target** : Free Fatty Acid Receptor (FFAR)  
**Solubility** : 10 mM in DMSO



## Biological Activity

GW-1100 (SB-376752) is a potent, selective **GPR40** antagonist that dose dependently inhibits GPR40-mediated Ca<sup>2+</sup> elevations stimulated by GW9508 and linoleic acid with pIC<sub>50</sub> of 5.99.

GW-1100 (SB-376752) has no effect on the GPR120-mediated stimulation of intracellular Ca<sup>2+</sup> release.

GW-1100 (SB-376752) reverses the KCl-mediated increase in insulin secretion in MIN6 cells potentiated by GW9508.

GW-1100 (SB-376752) increases formalin-induced pain-related behaviour in mice.

## References

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

Stoddart LA, et al. *Mol Pharmacol*. 2007 Apr;71(4):994-1005.

Nakamoto K, et al. *Br J Pharmacol*. 2015 Mar;172(5):1250-62.

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

E-mail: tech@probechem.com