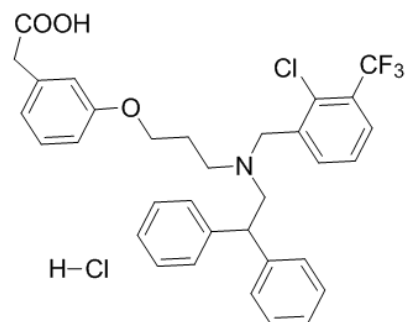


**Product Name** : GW3965 hydrochloride  
**Cat. No.** : PC-42686  
**CAS No.** : 405911-17-3  
**Molecular Formula** : C<sub>33</sub>H<sub>32</sub>Cl<sub>2</sub>F<sub>3</sub>NO<sub>3</sub>  
**Molecular Weight** : 618.5133  
**Target** : Liver X Receptor (LXR)  
**Solubility** : 10 mM in DMSO



## Biological Activity

GW3965 hydrochloride is a potent, selective, orally active **LXR** agonist that recruits the steroid receptor coactivator 1 to human LXR $\alpha$  in a cell-free ligand-sensing assay with an EC<sub>50</sub> of 125 nM.

GW3965 acts as a full agonist on hLXR $\alpha$  and hLXR $\beta$  in cell-based reporter gene assays with EC<sub>50</sub> of 190 and 30 nM, respectively.

GW3965 increases expression of ABCA1 in the small intestine and peripheral macrophages in C57BL/6 mice at 10 mg/kg.

## References

Collins JL, et al. *J Med Chem.* 2002 May 9;45(10):1963-6.

Joseph SB, et al. *Proc Natl Acad Sci U S A.* 2002 May 28;99(11):7604-9.

Donkin JJ, et al. *J Biol Chem.* 2010 Oct 29;285(44):34144-54.

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

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