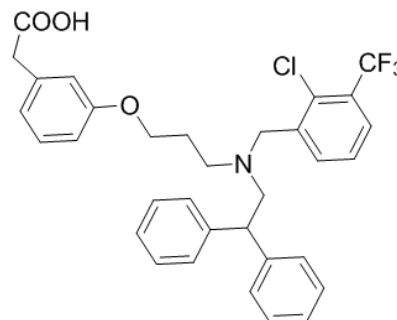


Product Name : GW3965
Cat. No. : PC-42685
CAS No. : 405911-09-3
Molecular Formula : C₃₃H₃₁ClF₃NO₃
Molecular Weight : 582.0524
Target : Liver X Receptor (LXR)
Solubility : 10 mM in DMSO



Biological Activity

GW3965 is a potent, selective, orally active **LXR agonist** that recruits the steroid receptor coactivator 1 to human LXRα in a cell-free ligand-sensing assay with an EC₅₀ of 125 nM.

GW3965 acts as a full agonist on hLXRα and hLXRβ in cell-based reporter gene assays with EC₅₀ 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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