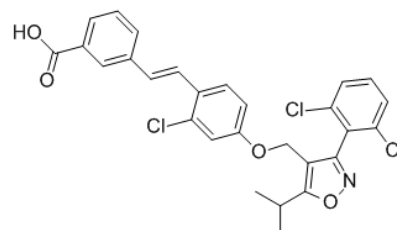


Product Name : GW-4064
Cat. No. : PC-45825
CAS No. : 278779-30-9
Molecular Formula : C₂₈H₂₂Cl₃NO₄
Molecular Weight : 542.8376
Target : Farnesoid X Receptor (FXR)
Solubility : 10 mM in DMSO



Biological Activity

A potent and selective FXR agonist with EC₅₀ of 15 nM in cell-free assay, >200-fold more potent than CDCA; has an EC₅₀ of 80 and 90 nM, respectively, in CV-1 cells transfected with mouse and human FXR expression vectors; significantly reduces serum alanine aminotransferase, aspartate aminotransferase, and lactate dehydrogenase, as well as other markers of liver damage in rat models of cholestasis.

References

- Maloney PR, et al. J Med Chem. 2000 Aug 10;43(16):2971-4.
Liu Y, et al. J Clin Invest. 2003 Dec;112(11):1678-87.
Kast HR, et al. J Biol Chem. 2002 Jan 25;277(4):2908-15.

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

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