

Product Name : GW-4064

Synonyms : GW 4064; GW4064

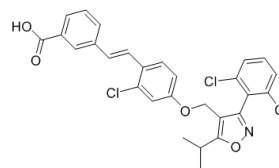
Cat No. : M13852

CAS Number : 278779-30-9

Molecular Formula : C₂₈H₂₂Cl₃NO₄

Formula Weight : 542.84

Chemical Name : Benzoic acid, 3-[2-[2-chloro-4-[[3-(2,6-dichlorophenyl)-5-(1-methylethyl)-4-isoxazolyl]methoxy]phenyl]ethenyl]-



Description : 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.

Pathway : Metabolic Enzyme/Protease

Target : FXR

Receptor : FXR

Solubility : 10 mM in DMSO

SMILES : O=C(O)C1=CC=CC(/C=C/C2=CC=C(OCC3=C(C(C)C)ON=C3C4=C(Cl)C=CC=C4Cl)C=C2Cl)=C1

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Maloney PR, et al. J Med Chem. 2000 Aug 10;43(16):2971-4. | 2. Liu Y, et al. J Clin Invest. 2003 Dec;112(11):1678-87. | 3. Kast HR, et al. J Biol Chem. 2002 Jan 25;277(4):2908-15.