

Product Information

Renin-angiotensin-aldosterone system (RAAS) inhibitor, GW4064, Purity ≥98%

Cat. No.: X24-09-YM304

Size: 10 mg; 50 mg; 100 mg; 200 mg

MDL: MFCD09971006

CAS Number: 278779-30-9

Compound CID: 9893571

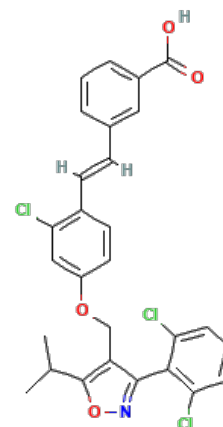
Synonym: 278779-30-9; GW-4064; GW 4064;

3-[(E

)-2-[2-Chloro-4-[[3-(2,6-dichlorophenyl)-5-propan-2-yl]-1,2-oxazol-4-yl]methoxy]phenyl]

ethenyl]benzoic acid; Renin-angiotensin-aldosterone system (RAAS) inhibitor

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	GW4064, soluble in DMSO and insoluble in water and ethanol, is an effective metabolism inhibitor, that has the ability to prevent the pathway of cell metabolism by inhibiting FXR. The molecular weight of the compound is 542.8, and its molecular formula is C ₂₈ H ₂₂ Cl ₃ NO ₄ . It targets the FXR (CV1).
Molecular Weight	542.8
Molecular Formula	C ₂₈ H ₂₂ Cl ₃ NO ₄
Targets	FXR (CV1)
IUPAC Name	3-[(E)-2-[2-Chloro-4-[[3-(2,6-dichlorophenyl)-5-propan-2-yl]-1,2-oxazol-4-yl]methoxy]phenyl]ethenyl]benzoic acid
InChI	InChI=1S/C28H22Cl3NO4/c1-16(2)27-21(26(32-36-27)25-22(29)7-4-8-23(25)30)15-35-20-12-11-18(24(31)14-20)10-9-17-5-3-6-19(13-17)28(33)34/h3-14,16H,15H2,1-2H3,(H,33,34)/b10-9+
InChI Key	BYTNEISLBIENSA-MDZDMXLPSA-N
Canonical SMILES	CC(C)C1=C(C(=NO1)C2=C(C=CC=C2Cl)Cl)COC3=CC(=C(C=C3)C=CC4=CC(=CC=C4)C(=O)O)Cl
Isomeric SMILES	C[C@H](CCC(=O)O)[C@H]1CC[C@@H]2[C@@]1(CC[C@H]3[C@H]2CC[C@H]4[C@@]3(CC[C@H](C4)O)C)C
Form	Lyophilized powder
Purity	≥98%
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.



Solubility	<i>In vitro</i> : DMSO: 99 mg/mL (182.37 mM); Water: insoluble; Ethanol: insoluble; <i>In vivo</i> : 0.5% methylcellulose, 10 mg/mL
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	GW4064 can be studied extensively for its potential therapeutic applications in the treatment of liver diseases such as non-alcoholic fatty liver disease (NAFLD) and cholestasis.
Storage	Store at -20°C, and keep desiccated.
