

PRODUCT:**GW-4064****ALTERNATE NAME:**

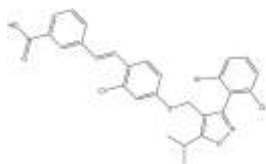
3-[2-[2-Chloro-4-[[3-(2,6-dichlorophenyl)-5-(1-methylethyl)-4-isoxazolyl]methoxy]phenyl]ethenyl]benzoic acid

CATALOG #:

B2278-5,25

AMOUNT:

5 mg, 25 mg

STRUCTURE:**MOLECULAR FORMULA:**C₂₈H₂₂Cl₃NO₄**MOLECULAR WEIGHT:**

542.84

CAS NUMBER:

278779-30-9

APPEARANCE:

White solid

SOLUBILITY:

DMSO (>40 mg/ml)

PURITY:

≥98% by HPLC

STORAGE:

Store at -20°C. Protect from air and moisture

DESCRIPTION:

GW-4064 is a potent and selective, non-steroidal farnesoid X receptor (FXR) agonist (EC₅₀ = 15 nM). Displays no activity at other nuclear receptors at concentrations up to 1 μM. Improves hyperglycemia and hyperlipidemia in diabetic db/db mice. Shown to suppress autophagy in nutrient-deprived mouse hepatocytes.

REFERENCES:Cariou, B., *et al.* (2006). *J. Biol. Chem.* **281**, 11039-11049.**HANDLING:**

Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:BAR-501 (**B1591**)BAR-502 (**B1592**)Chenodeoxycholic acid (**2831**)Fexaramine (**B1156**)Fexaramate (**9560**)GW-3965 hydrochloride (**9402**)Obeticholic acid (**B1898**)T0901317 (**B1636**)**USAGE:****FOR RESEARCH USE ONLY! Not to be used in humans**