

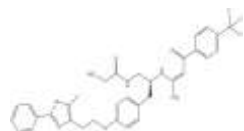
PRODUCT: GW-6471

ALTERNATE NAME: *N*-((2*S*)-2-(((1*Z*)-1-Methyl-3-oxo-3-(4-(trifluoromethyl)phenyl)prop-1-enyl)amino)-3-(4-(2-(5-methyl-2-phenyl-1,3-oxazol-4-yl)ethoxy)phenyl)propyl)propanamide

CATALOG #: 9453-1, 5

AMOUNT: 1 mg, 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₃₅H₃₆F₃N₃O₄

MOLECULAR WEIGHT: 619.67

CAS NUMBER: 880635-03-0

APPEARANCE: Cream-colored solid

SOLUBILITY: DMSO (~40 mg/ml) or EtOH (~10 mg/ml)

PURITY: ≥98%

STORAGE: Store at -20°C. Protect from air and light

DESCRIPTION: GW-6471 is a potent PPAR α antagonist (IC₅₀ = 240 nM). It drives the displacement of coactivators from PPAR α and promotes the recruitment of co-repressor proteins like nuclear co-repressor. GW-6471 significantly prevents cardiomyocyte differentiation and results in the reduced expression of cardiac sarcomeric proteins and specific genes in a time-dependent manner.

REFERENCES: Ding, L., *et al.* (2007). *Acta Pharmacol. Sin.* **28**, 634-642; Xu, H.E., *et al.* (2002). *Nature* **415**, 813-817.

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

RELATED PRODUCTS:

Ciglitazone (Cat. No. 1695-5)
GSK-3787 (Cat. No. 2400-5, 25)
GSK-0660 (Cat. No. 2897-5, 25)
GW1929 (Cat. No. 2057-5, 25)
GW501516 (Cat.No 1971-1, 5)
GW9662 (Cat. No. 1697-5)
Pioglitazone (Cat. No. 1877-5, 25, 100)
PPAR-alpha Antibody (Cat. No. 3585-100)
PPAR-gamma Antibody (Cat. No. 3809-100)
PPAR-gamma Antagonist, G3335 (Cat. No. 1979-10, 25)
Rosiglitazone (Cat. No. 1559-5, 50, 100)
SR1664 (Cat. No. 9432-1,5)
T0070907 (Cat. No. 2095-5)
Troglitazone (Cat. No. 1696-5)
WY14643 (Cat. No. 2041-10, 50)

USAGE: **FOR RESEARCH CH USE ONLY! Not to be used in humans**