

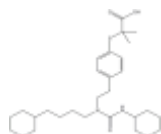
**PRODUCT: GW-7647**

**ALTERNATE NAME:** 2-[[4-[2-[[[(Cyclohexylamino)carbonyl](4-cyclohexylbutyl)amino]ethyl]phenyl]thio]-2-methylpropanoic acid

**CATALOG #:** 9571-5, 25

**AMOUNT:** 5 mg, 25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>29</sub>H<sub>46</sub>N<sub>2</sub>O<sub>3</sub>S

**MOLECULAR WEIGHT:** 502.75

**CAS NUMBER:** 265129-71-3

**APPEARANCE:** White solid

**SOLUBILITY:** DMSO (>40.0 mg/ml)

**PURITY:** ≥98% by HPLC

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

**DESCRIPTION:** GW-7647 is a potent, selective agonist of human and murine PPAR $\alpha$ . It activates human PPAR $\alpha$ , PPAR $\gamma$ , and PPAR $\delta$  with EC<sub>50</sub> values of 0.006, 1.1 and 6.2  $\mu$ M, respectively, in a GAL4-PPAR binding assay. Similar EC<sub>50</sub> values of 0.001, 1.3, and 2.9 were observed with the murine receptors. Modulates oleate metabolism and mitochondrial enzyme gene expression in mature myotubules *in vitro*. Has lipid-lowering effects following oral administration *in vivo*. Reduces NO production in macrophages; exhibits anti-inflammatory properties.

**REFERENCES:** Brown, P.J., *et al.* (2001). *Bioorg. Med. Chem. Lett.* **11**, 1225-1227

**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)

GW1929 (Cat. No. 2057-5, 25)

GW501516 (Cat.No 1971-1, 5)

GW9662 (Cat. No. 1697-5)

MRL-24 (Cat. No. 2764-1,5)

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)

Troglitazone (Cat. No. 1696-5)

WY14643 (Cat. No. 2041-10, 50)

ZLN005 (Cat. No. 2550-10, 50)

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