

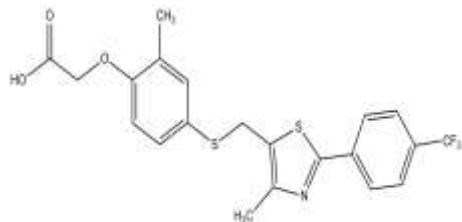
## GW501516

**ALTERNATE NAME:** (2-Methyl-4-(((4-methyl-2-(4-trifluoromethylphenyl)-1,3-thiazol-5-yl)methyl)sulfanyl)phenoxy)acetic acid

**CATALOG #:** 1971-1, 5

**AMOUNT:** 1 mg, 5 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>21</sub>H<sub>18</sub>F<sub>3</sub>NO<sub>3</sub>S<sub>2</sub>

**MOLECULAR WEIGHT:** 453.50

**CAS NUMBER:** 317318-70-0

**APPEARANCE:** White to off-white solid

**SOLUBILITY:** DMSO (50 mg/ml) or EtOH (12 mg/ml)

**PURITY:** ≥98% by HPLC

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

**DESCRIPTION:** A selective agonist for PPAR $\delta$  (peroxisome proliferator-activated receptor $\delta$ ) (EC<sub>50</sub> = 1. 1 nM), displaying 1000-fold selectivity over the other human subtypes. In macrophages, fibroblasts, and intestinal cells, GW501516 increases expression of the reverse cholesterol transporter ATP-binding cassette A1 and induces apolipoprotein A1-specific cholesterol efflux.

**REFERENCE:** Oliver, Jr., W.R., *et al.* (2011). *Proc. Natl. Acad. Sci. USA* **98**, 5306-5311.

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

**FOR RESEARCH USE ONLY! Not to be used on humans.**

**RELATED PRODUCTS:**

- Ciglitazone (Cat. No. 1695-5)
- GW9662 (**Cat. No. 1697-5**)
- Pioglitazone (**Cat. No. 1877-5, 25, 100**)
- Rosiglitazone (**Cat. No. 1559-5, 50, 100**)
- Troglitazone (**Cat. No. 1696-5**)