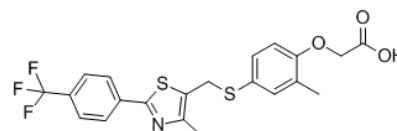


**Product Name** : GW 501516  
**Cat. No.** : PC-42713  
**CAS No.** : 317318-70-0  
**Molecular Formula** : C<sub>21</sub>H<sub>18</sub>F<sub>3</sub>NO<sub>3</sub>S<sub>2</sub>  
**Molecular Weight** : 453.4977  
**Target** : PPAR  
**Solubility** : 10 mM in DMSO



## Biological Activity

GW 501516 (GW516) is a potent and subtype-selective **PPAR $\delta$**  agonist with K<sub>i</sub> of 1.1 nM in human PPAR $\delta$  binding assay. GW 501516 displays >1,000-fold selectivity over other PPAR subtypes. GW 501516 increases expression of the reverse cholesterol transporter ATP-binding cassette A1 and induces apolipoprotein A1-specific cholesterol efflux in macrophages, fibroblasts, and intestinal cells.

## References

- Oliver WR Jr, et al. *Proc Natl Acad Sci U S A*. 2001 Apr 24;98(9):5306-11.  
Sznaidman ML, et al. *Bioorg Med Chem Lett*. 2003 May 5;13(9):1517-21.  
Tanaka T, et al. *Proc Natl Acad Sci U S A*. 2003 Dec 23;100(26):15924-9.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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