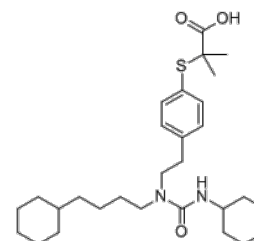


**Product Name** : GW7647  
**Cat. No.** : PC-62445  
**CAS No.** : 265129-71-3  
**Molecular Formula** : C<sub>29</sub>H<sub>46</sub>N<sub>2</sub>O<sub>3</sub>S  
**Molecular Weight** : 502.758  
**Target** : PPAR  
**Solubility** : 10 mM in DMSO



## Biological Activity

GW7647 is a potent, selective PPAR $\alpha$  agonist with EC<sub>50</sub> of 6 nM, displays high selectivity over PPAR $\gamma$  and PPAR $\delta$ . GW7647 shows potent lipid-lowering activity in animal models of dyslipidemia. GW7647 also inhibits **USP1/UAF1** noncompetitively with K<sub>i</sub> of 0.7  $\mu$ M. GW7647 displays selectivity against a number of deubiquitinases, deSUMOylase, and cysteine proteases. GW7647 reduces LPS-induced NO production.

## References

- Chen J, et al. *Chem Biol*. 2011 Nov 23;18(11):1390-400.  
Brown PJ, et al. *Bioorg Med Chem Lett*. 2001 May 7;11(9):1225-7.  
Paukkeri EL, et al. *Br J Pharmacol*. 2007 Dec;152(7):1081-91.

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

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