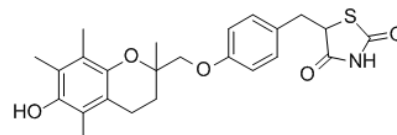


Product Name : Troglitazone
Cat. No. : PC-45908
CAS No. : 97322-87-7
Molecular Formula : C₂₄H₂₇NO₅S
Molecular Weight : 441.5399
Target : PPAR
Solubility : 10 mM in DMSO



Biological Activity

Troglitazone (CS-045) is a **PPAR γ** activator that has antidiabetic, anti-tumor and anti-inflammatory activities. Troglitazone binds to PPAR γ and selectively induces the early growth response-1 gene expression. Troglitazone inhibits biosynthesis of cholesterol in CHO cell (IC₅₀=8 ug/ml). Troglitazone enhances human lung cancer cells to TRAIL-induced apoptosis via autophagy flux.

References

- Baek SJ, et al. *J Biol Chem*. 2003 Feb 21;278(8):5845-53.
Nazim UM, et al. *Oncotarget*. 2017 Apr 18;8(16):26819-26831.
Wang M, et al. *Diabetes*. 1999 Feb;48(2):254-60.

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

E-mail: tech@probechem.com