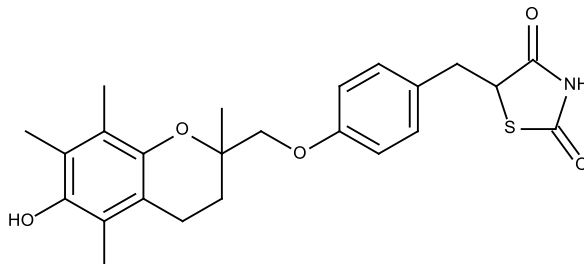


**Catalog # 10-1046**

**Troglitazone**

CAS# 97322-87-7

(±)-5-[4-[(6-Hydroxy-2,5,7,8-tetramethylchroman-2-yl)methoxy]-benzyl]-2,4-thiazolidinedione  
Lot # X101092



PPAR $\gamma$  agonist. Stimulates recruitment of transcriptional coactivators to PPAR $\gamma$  at 1  $\mu$ M. Stimulates adipogenesis in human mesenchymal stem cells. Induces apoptosis in a variety of tumor cells lines. Cell permeable.

- 1) Kodera *et al.* (2000) *Ligand type-specific interactions of peroxisome proliferator-activated receptor gamma with transcriptional coactivators* J. Biol. Chem. **275** 33201
- 2) Tchoukalova *et al.* (2000) *Enhancing effect of troglitazone on porcine adipocyte differentiation in primary culture: a comparison with dexamethasone* Obes. Res. **8** 664
- 3) Tsubouchi *et al.* (2000) *Inhibition of human lung cancer cell growth by the peroxisome proliferator-activated receptor-gamma agonists through induction of apoptosis* Biochem. Biophys. Res. Commun. **270** 400

**PHYSICAL DATA**

Molecular Weight:	441.55
Molecular Formula:	C <sub>24</sub> H <sub>27</sub> NO <sub>5</sub> S
Purity:	>98% by TLC
	NMR: Conforms
Solubility:	DMSO (up to 25 mg/ml) or ethanol (up to 25 mg/ml, warm)
Physical Description:	Off-white solid
Storage and Stability:	Store as supplied at room temperature for up to 1 year from the date of purchase. Protect from exposure to moisture Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

**Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.**