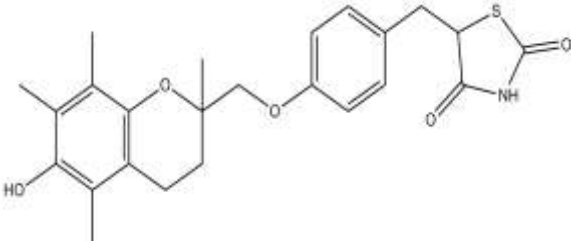


Troglitazone

ALTERNATE NAME	(±)-5-[4-[(6-Hydroxy-2,5,7,8-tetramethylchroman-2-yl)methoxy]benzyl]-2,4-thiazolidinedione
CATALOG #:	1696-5
STRUCTURE:	 The chemical structure of Troglitazone consists of a troglitazone core, which is a 6-hydroxy-2,5,7,8-tetramethylchroman. This core is linked via a methoxy group to a benzyl ring, which is further connected to a 2,4-thiazolidinedione ring system.
MOLECULAR FORMULA:	C ₂₄ H ₂₇ NO ₅ S
MOLECULAR WEIGHT:	441.54
CAS NUMBER:	97322-87-7
APPEARANCE:	Off-white solid
SOLUBILITY:	DMSO (25 mg/ml) or Ethanol (25 mg/ml)
PURITY:	>95% by HPLC
STORAGE:	Store at -20°C.
DESCRIPTION:	An antidiabetic thiazolidinedione (TDZ) drug with anti-inflammatory and anti-tumor activities. A potent and selective PPAR γ agonist. The EC ₅₀ values for transactivation of human and murine PPAR γ in a cell-based assay are 0.55 and 0.78 μ M, respectively.
REFERENCES:	Willson, T.M., <i>et al.</i> (2000). <i>J. Med. Chem.</i> 43 , 528-550; Kodera, Y., <i>et al.</i> (2000). <i>J. Biol. Chem.</i> 275 , 33201-33204.
HANDLING:	Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

- Rosiglitazone (Cat. No. 1559-5,100)
- Ciglitazone (Cat. No. 1695-5)
- GW 9662 (Cat. No. 1697-5)

FOR RESEARCH USE ONLY! Not to be used in humans.