

**Troglitazone, 50mM***Cell Culture Reagents-Hormone and Ligand*

产品编号:	CH003
产品描述:	Troglitazone is a potent and selective PPAR $\gamma$ agonist. The EC50 values for transactivation of human and murine PPAR $\gamma$ in a cell-based assay are 0.55 and 0.78 $\mu$ M, respectively. In the same assay system, no activation of PPAR $\alpha$ and PPAR $\delta$ was observed at concentrations up to 10 $\mu$ M. Troglitazone binds to the PPAR $\gamma$ ligand-binding domain (LBD) but fails to induce interaction of the PPAR $\gamma$ LBD with the transcriptional coactivators SRC-1, TIF2, AIB1, p300, or TRAP220. Troglitazone also induces cell cycle arrest and apoptosis in several cancer cell lines with an EC50 of 10 $\mu$ M.
中文名称:	曲格列酮
其它名称:	CS-045, ( $\pm$ )-5-[4-[(6-Hydroxy-2,5,7,8-tetramethylchroman-2-yl)methoxy]benzyl]-2,4-thiazolidinedione,
分子式:	C24H27NO5S
分子量:	441.54
CAS 编号:	97322-87-7
产品类型:	Ready-to-use, DMSO solution
纯度:	$\geq$ 99% (powder)
浓度:	50 mM
包装规格:	100 $\mu$ L
储存温度:	-20°C
参考文献:	

- Willson, T.M., Brown, P.J., Sternbach, D.D., et al. The PPARs: From orphan receptors to drug discovery. *J Med Chem* 43(4) 528-550 (2000).
- Kodera, Y., Takeyama, K., Murayama, A., et al. Ligand type-specific interactions of peroxisome proliferator-activated receptor  $\gamma$  with transcriptional coactivators. *J Biol Chem* 275 33201-33204 (2000).
- Yoshizawa, K., Cioca, D.P., Kawa, S., et al. Peroxisome proliferator-activated receptor  $\gamma$  ligand troglitazone induces cell cycle arrest and apoptosis of hepatocellular carcinoma cell lines. *Cancer* 95(10) 2243-2251 (2002).

FOR RESEARCH USE ONLY, NOT FOR USE IN DIAGNOSTIC AND THERAPEUTIC PROCEDURES



M&amp;C Gene Technology • Phone: (010)8205-7786 • (010)8693-7385 • Fax: (010)8205-9875

E-mail: order@macgene.com • Tech Support: support@macgene.com • URL: http://www.macgene.com