

Product Information

Product ID C3210
CAS No. 74772-77-3
Chemical Name (+/-)-5-[4-(1-Methylcyclohexylmethoxy)benzyl]thiazolidine-2,4-dione

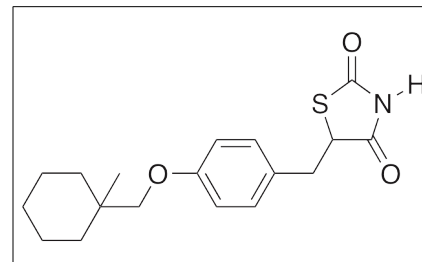
Synonym

Formula C₁₈H₂₃NO₃S
Formula Wt. 333.45
Melting Point 114-130° C
Purity ≥98%
Solubility Soluble in DMSO or ethanol.

Store Temp Ambient

Ship Temp Ambient

Description Ciglitazone is a thiazolidinedione that exhibits antihypertensive, anticancer, and anti-diabetic activities. Ciglitazone acts as an agonist at PPAR γ receptors, decreasing insulin levels, VEGF production, and blood pressure. In cellular models of stomach cancer, ciglitazone induces G1 phase cell cycle arrest, inhibits ERK phosphorylation, and suppresses cell growth.



Bulk quantities available upon request

Product ID	Size
C3210	1 mg
C3210	5 mg
C3210	25 mg

References Shah DK, Menon KM, Cabrera LM, et al. Thiazolidinediones decrease vascular endothelial growth factor (VEGF) production by human luteinized granulosa cells in vitro. *Fertil Steril.* 2010 Apr;93(6):2042-7. PMID: 19342033.

Cheon CW, Kim DH, Kim DH, et al. Effects of ciglitazone and troglitazone on the proliferation of human stomach cancer cells. *World J Gastroenterol.* 2009 Jan 21;15(3):310-20. PMID: 19140230.

Pershadsingh HA, Szollosi J, Benson S, et al. Effects of ciglitazone on blood pressure and intracellular calcium metabolism. *Hypertension.* 1993 Jun;21(6 Pt 2):1020-3. PMID: 8505086.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.