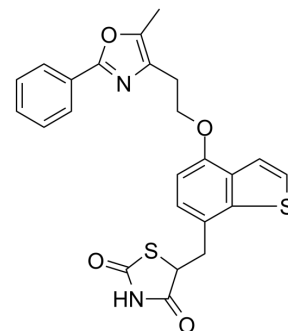


Edaglitazone

Cat. No.:	HY-110118
CAS No.:	213411-83-7
Molecular Formula:	C ₂₄ H ₂₀ N ₂ O ₄ S ₂
Molecular Weight:	464.56
Target:	PPAR
Pathway:	Cell Cycle/DNA Damage; Vitamin D Related/Nuclear Receptor
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



BIOLOGICAL ACTIVITY

Description	Edaglitazone is a potent, selective and orally active PPAR γ agonist, with EC ₅₀ s of 35.6 nM and 1053 nM for PPAR α and PPAR γ , respectively. Edaglitazone displays antiplatelet, antidiabetic and anti-hyperglycemic activity ^{[1][2][3]} .	
IC₅₀ & Target	PPAR γ 35.6 nM (EC ₅₀)	PPAR α 1053 nM (EC ₅₀)
In Vitro	Edaglitazone (3-16 μ M; 5 min) inhibits the collagen (1.2 μ g/mL)-induced platelet aggregation. Edaglitazone increases the intraplatelet levels of cAMP in a concentration dependent manner. Edaglitazone prevents the Collagen-induced intraplatelet levels of PPAR γ decrease ^[3] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	
In Vivo	Edaglitazone (4.4 mg/kg; p.o. daily for 10 days) enhances insulin sensitivity in obese rats ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

REFERENCES

- [1]. Dietz M, et, al. Comparative molecular profiling of the PPAR α / γ activator aleglitazar: PPAR selectivity, activity and interaction with cofactors. ChemMedChem. 2012 Jun;7(6):1101-11.
- [2]. Fürnsinn C, et, al. Chronic and acute effects of thiazolidinediones BM13.1258 and BM15.2054 on rat skeletal muscle glucose metabolism. Br J Pharmacol. 1999 Nov;128(6):1141-8.
- [3]. Muñoz-Gutiérrez C, et, al. Study of the interactions between Edaglitazone and Ciglitazone with PPAR γ and their antiplatelet profile. Life Sci. 2017 Oct 1;186:59-65.

Caution: Product has not been fully validated for medical applications. For research use only.

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