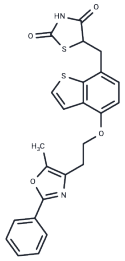
Data Sheet (Cat.No.T27239)

TargetMol

Edaglitazone

Chemical Properties



CAS No. : 213411-83-7

Formula: C24H20N2O4S2

Molecular Weight: 464.56

Storage: Store at low temperature
Store at -20°C
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Edaglitazone (R-483) is an orally active, selective and potent PPARγ agonist showing affinity for both PPARα and PPARγ. Edaglitazone displays antiplatelet activity and can be used in studies of diabetes mellitus and obesity.
Targets(IC50)	PPAR
In vitro	**METHODS**: To elucidate the mechanism of the antiplatelet effect of edaglitazone, platelet cAMP levels were assessed using edaglitazone (3, 6, and 12 μM), Consistent with the aggregation assay, **RESULTS**: Edaglitazone increased platelet cAMP levels in a concentration-dependent manner, suggesting that its antiplatelet effect is partly mediated by the regulation of cAMP levels. [1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1526 mL	10.7629 mL	21.5257 mL
5 mM	0.4305 mL	2.1526 mL	4.3051 mL
10 mM	0.2153 mL	1.0763 mL	2.1526 mL
50 mM	0.0431 mL	0.2153 mL	0.4305 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Muñoz-Gutiérrez C, et al. Study of the interactions between Edaglitazone and Ciglitazone with PPARγ and their antiplatelet profile. Life Sci. 2017 Oct 1;186:59-65.
Dietz M, et al. Comparative molecular profiling of the PPARα/γ activator aleglitazar: PPAR selectivity, activity and interaction with cofactors. ChemMedChem. 2012 Jun;7(6):1101-11.
Li M, Pan LC, Simmons HA, Li Y, Healy DR, Robinson BS, Ke HZ, Brown TA. Surface-specific effects of a PPARgamma agonist, darglitazone, on bone in mice. Bone. 2006 Oct;39(4):796-806. PubMed PMID: 16759917.
Aleo MD, Doshna CM, Navetta KA. Ciglitazone-induced lenticular opacities in rats: in vivo and whole lens explant culture evaluation. J Pharmacol Exp Ther. 2005 Mar;312(3):1027-33. PubMed PMID: 15523002.

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