

**Product Name:** Edaglitazone

**Catalog No.:** 4784

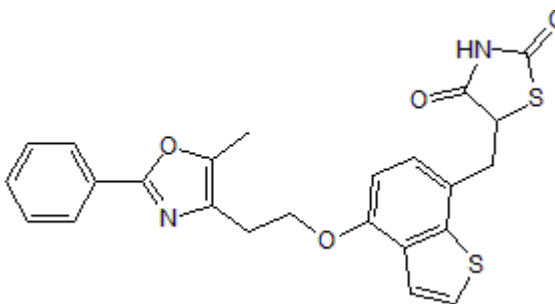
**Batch No.:** 1

CAS Number: 213411-83-7

IUPAC Name: 5-[[4-[2-(5-Methyl-2-phenyl-4-oxazolyl)ethoxy]benzo[*b*]thien-7-yl]methyl]-2,4-thiazolidinedione

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>24</sub>H<sub>20</sub>N<sub>2</sub>O<sub>4</sub>S<sub>2</sub>  
**Batch Molecular Weight:** 464.56  
**Physical Appearance:** Cream solid  
**Solubility:** DMSO to 100 mM  
**Storage:** Store at +4°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**TLC:** R<sub>f</sub> = 0.37 (Ethyl acetate:Petroleum ether [1:4])  
**HPLC:** Shows >99.0% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	62.05	4.34	6.03
Found	62.14	4.3	6.06

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**Description:**

Potent and selective PPAR $\gamma$  agonist (EC<sub>50</sub> values are 35.6 and 1053 nM for PPAR $\gamma$  and PPAR $\alpha$  cofactor recruitment respectively. Enhances insulin sensitivity in obese, but not lean, rats. Antidiabetic and orally bioavailable.

**Physical and Chemical Properties:**

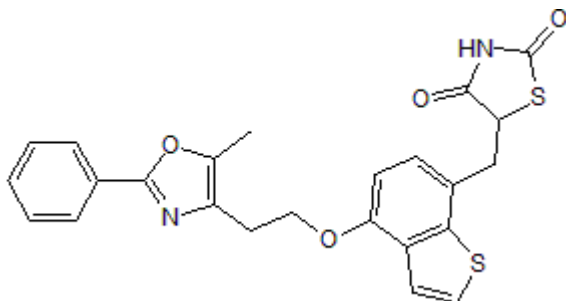
Batch Molecular Formula: C<sub>24</sub>H<sub>20</sub>N<sub>2</sub>O<sub>4</sub>S<sub>2</sub>

Batch Molecular Weight: 464.56

Physical Appearance: Cream solid

**Minimum Purity:** >98%

**Batch Molecular Structure:**



**Storage:** Store at +4°C

**Solubility & Usage Info:**

DMSO to 100 mM

**Stability and Solubility Advice:**

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

**SOLIDS:** Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

**SOLUTIONS:** We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

**References:**

**Fürnsinn *et al*** (1999) Chronic and acute effects of thiazolidinediones BM13.1258 and BM15.2054 on rat skeletal muscle glucose metabolism. *Br. J. Pharmacol.* **128** 1141. PMID: 10578125.

**Dietz *et al*** (2012) Comparative molecular profiling of the PPAR $\alpha/\gamma$  activator aleglitazar: PPAR selectivity, activity and interaction with cofactors. *ChemMedChem* **7** 1101. PMID: 22489042.

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