

**Product Name:** S26948

**Catalog No.:** 3690

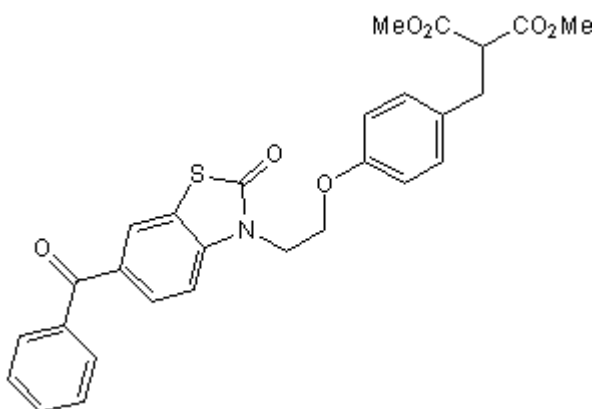
**Batch No.:** 1

CAS Number: 353280-43-0

IUPAC Name: [[4-[2-(6-Benzoyl-2-oxo-3(2H)-benzothiazolyl)ethoxy]phenyl]methyl]-1,3-propanedioic acid dimethyl ester

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>28</sub>H<sub>25</sub>NO<sub>7</sub>S  
**Batch Molecular Weight:** 519.57  
**Physical Appearance:** White solid  
**Solubility:** DMSO to 100 mM  
**Storage:** Store at RT  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**TLC:** R<sub>f</sub> = 0.4 (Ethyl acetate:Petroleum ether [1:2])  
**HPLC:** Shows 99.9% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure  
**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	64.73	4.85	2.7
Found	64.38	4.82	2.7

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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**Description:**

Selective PPAR $\gamma$  agonist (EC<sub>50</sub> = 8.83 nM). Drives normal adipocyte differentiation and exhibits a lipid-lowering effect; reduces atherosclerosis in E2-KI mice. Displays antidiabetic properties and improves hepatic insulin sensitivity in intralipid-infusion (IL) rats.

**Physical and Chemical Properties:**

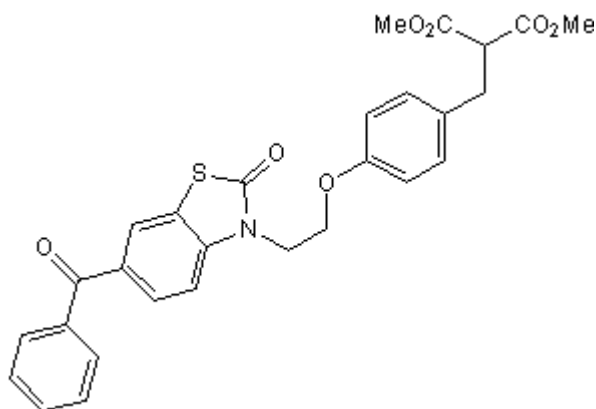
Batch Molecular Formula: C<sub>28</sub>H<sub>25</sub>NO<sub>7</sub>S

Batch Molecular Weight: 519.57

Physical Appearance: White solid

**Minimum Purity:** >99%

**Batch Molecular Structure:**



**Storage:** Store at RT

**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:**

**Carmona et al (2007)** S 26948: a new specific peroxisome proliferator-activated receptor  $\gamma$  modulator with potent antidiabetes and antiatherogenic effects. *Diabetes* **56** 2797. PMID: 17704298.

**Sohn et al (2009)** S26948, a new specific peroxisome proliferator activated receptor gamma modulator improved *in vivo* hepatic insulin sensitivity in 48 h lipid infused rats. *Eur.J.Pharmacol.* **608** 104. PMID: 19250932.

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