

Product Name: Fenofibrate

Catalog No.: 4113

Batch No.: 2

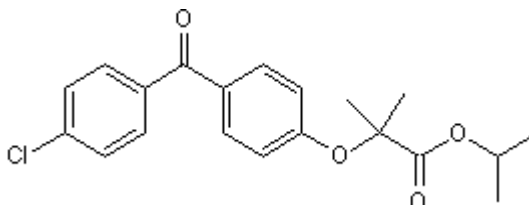
CAS Number: 49562-28-9

EC Number: 256-376-3

IUPAC Name: 2-[4-(4-Chlorobenzoyl)phenoxy]-2-methylpropanoic acid isopropyl ester

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₀H₂₁ClO₄
Batch Molecular Weight: 360.83
Physical Appearance: White solid
Solubility: DMSO to 100 mM
ethanol to 100 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 100% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	66.57	5.87	
Found	66.41	5.9	

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

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Description:

PPAR α agonist; hypolipidemic. Attenuates insulin resistance and increases high-density lipoprotein-cholesterol in db/db mice.

Physical and Chemical Properties:

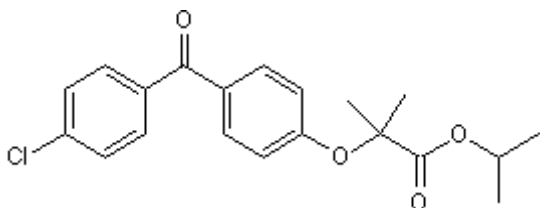
Batch Molecular Formula: C₂₀H₂₁ClO₄

Batch Molecular Weight: 360.83

Physical Appearance: White solid

Minimum Purity: >99%

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

DMSO to 100 mM

ethanol 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:

Balakumar et al (2011) Pleiotropic actions of fenofibrate on the heart. *Pharmacol.Res.* **63** 8. PMID: 21093591.

Park et al (2006) PPAR α agonist fenofibrate improves diabetic nephropathy in *db/db* mice. *Kidney Int.* **69** 1511. PMID: 16672921.

Mandard et al (2004) The direct peroxisome proliferator-activated receptor target fasting-induced adipose factor (FIAF/PGAR/ANGPTL4) is present in blood plasma as a truncated protein that is increased by fenofibrate treatment. *J.Biol.Chem.* **279** 34411. PMID: 15190076.

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