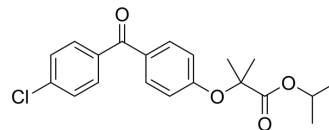


Fenofibrate (Standard)

Cat. No.:	HY-17356R
CAS No.:	49562-28-9
Molecular Formula:	C ₂₀ H ₂₁ ClO ₄
Molecular Weight:	360.83
Target:	Cytochrome P450; PPAR; Autophagy
Pathway:	Metabolic Enzyme/Protease; Cell Cycle/DNA Damage; Vitamin D Related/Nuclear Receptor; Autophagy
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro

DMSO : 250 mg/mL (692.85 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.7714 mL	13.8569 mL	27.7139 mL
	5 mM	0.5543 mL	2.7714 mL	5.5428 mL
	10 mM	0.2771 mL	1.3857 mL	2.7714 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Fenofibrate (Standard) is the analytical standard of Fenofibrate. This product is intended for research and analytical applications. Fenofibrate is a selective PPAR α agonist with an EC₅₀ of 30 μ M. Fenofibrate also inhibits human cytochrome P450 isoforms, with IC₅₀s of 0.2, 0.7, 9.7, 4.8 and 142.1 μ M for CYP2C19, CYP2B6, CYP2C9, CYP2C8, and CYP3A4, respectively.

IC₅₀ & Target

CYP2B6	CYP2C19	CYP2C8	CYP2C9
CYP3A4	PPAR α		

CUSTOMER VALIDATION

- Mol Cell. 2023 Nov 20;S1097-2765(23)00914-0.
- Hepatology. 2018 Jul;68(1):289-303.
- Acta Pharmacol Sin. 2021 Mar 26.

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- Phytomedicine. 2022 May 6;102:154147.
 - Environ Sci Pollut Res Int. 2023 Nov 27.

See more customer validations on www.MedChemExpress.com

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

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