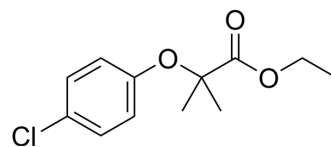


Clofibrate (Standard)

Cat. No.:	HY-B0287R
CAS No.:	637-07-0
Molecular Formula:	C ₁₂ H ₁₅ ClO ₃
Molecular Weight:	242.7
Target:	PPAR
Pathway:	Cell Cycle/DNA Damage; Metabolic Enzyme/Protease; Vitamin D Related/Nuclear Receptor
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (412.03 mM)
 H₂O : 0.1 mg/mL (0.41 mM; Need ultrasonic)
 * "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	4.1203 mL	20.6016 mL	41.2031 mL
	5 mM	0.8241 mL	4.1203 mL	8.2406 mL
	10 mM	0.4120 mL	2.0602 mL	4.1203 mL

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

BIOLOGICAL ACTIVITY

Description

Clofibrate (Standard) is the analytical standard of Clofibrate. This product is intended for research and analytical applications. Clofibrate is an agonist of PPAR, with EC₅₀s of 50 μM, ∅500 μM for murine PPAR α and PPAR γ , and 55 μM, ∅500 μM for human PPAR α and PPAR γ , respectively.

IC₅₀ & Target

PPAR α

PPAR γ

CUSTOMER VALIDATION

- Biochem Pharmacol. 2023 Aug 25;115769.

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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