



LKT Laboratories, Inc.

## Ciprofibrate

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### Product Information

Product ID C3260

CAS No. 52214-84-3

**Chemical Name**

**Synonym**

Formula  $C_{13}H_{14}Cl_2O_3$

Formula Wt. 289.16

Melting Point 114-120°C

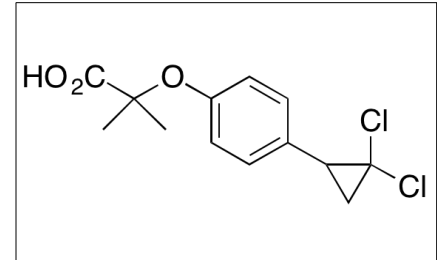
Purity ≥98%

Solubility Practically insoluble in water, freely soluble in anhydrous ethanol, soluble in toluene

Store Temp 4°C

Ship Temp Ambient

**Description** Ciprofibrate is a PPAR $\alpha$  agonist that exhibits anti-hyperlipidemic activity. Clinically, ciprofibrate decreases levels of triglycerides and total cholesterol and increases levels of HDL. In hepatoma cells, ciprofibrate increases NF- $\kappa$ B DNA binding activity. Additionally, ciprofibrate induces depolarization of the mitochondrial membrane potential, which may be involved in its mechanism of enhancing peroxisome proliferation.



**Bulk quantities available upon request**

Product ID	Size
C3260	25 mg
C3260	100 mg

**References** Aguilar-Salinas CA, Assis-Luores-Vale A, Stockins B, et al. Ciprofibrate therapy in patients with hypertriglyceridemia and low high density lipoprotein (HDL)-cholesterol: greater reduction of non-HDL cholesterol in subjects with excess body weight (The CIPROAMLAT study). *Cardiovasc Diabetol.* 2004 Jul 23;3:8. PMID: 15272932.

Li Y, Glauert HP, Spear BT. Activation of nuclear factor-kappaB by the peroxisome proliferator ciprofibrate in H4IIEC3 rat hepatoma cells and its inhibition by the antioxidants N-acetylcysteine and vitamin E. *Biochem Pharmacol.* 2000 Feb 15;59(4):427-34. PMID: 10644051.

Zhou S, Wallace KB. The effect of peroxisome proliferators on mitochondrial bioenergetics. *Toxicol Sci.* 1999 Mar;48(1):82-9. PMID: 10330687.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.