LKT Laboratories, Inc.

Ciprofibrate

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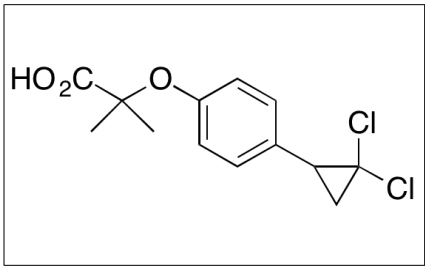
Product Information

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

Pricing and Availability

Bulk quanitites available upon request

Product ID	Size	List Price
C3260	25 mg	$60.00
C3260	100 mg	$164.90

Description Ciprofibrate is a PPARα 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-κB DNA binding activity. Additionally, ciprofibrate induces depolarization of the mitochondrial membrane potential, which may be involved in its mechanism of enhancing peroxisome proliferation.

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.