



LKT Laboratories, Inc.

Clofibric Acid

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Product Information

Product ID C4556

CAS No. 882-09-7

Chemical Name 2-(4-Chlorophenoxy)-2-methylpropanoic acid

Synonym Chlorfibrinic acid, Arteriohom, Regulipid

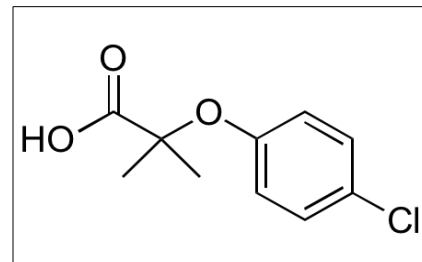
Formula $C_{10}H_{11}ClO_3$

Formula Wt. 214.65

Melting Point 118-119°C

Purity ≥98%

Solubility



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
C4556	10 g	\$38.30
C4556	50 g	\$60.70

Store Temp Ambient

Ship Temp Ambient

Description Clofibric acid is a metabolite of clofibrate that activates PPAR α receptors and inhibits auxin activity, exhibiting anti-hyperlipidemic, anti-angiogenic, anticancer chemotherapeutic, and herbicidal activity. Clofibric acid alters plant hormone activity and is used as a plant growth regulator. Clofibric acid also inhibits phosphatidylethanolamine synthesis, decreasing production of cholesterol and activity of HMG-CoA reductase and ACAT. Additionally, clofibric acid suppresses production of prostaglandin E2 (PGE2) and VEGF, decreases vessel density, and inhibits tumor growth in animal models of ovarian cancer.

References Yokoyama Y, Xin B, Shigeto T, et al. Clofibric acid, a peroxisome proliferator-activated receptor alpha ligand, inhibits growth of human ovarian cancer. *Mol Cancer Ther.* 2007 Apr;6(4):1379-86. PMID: 17431116.

Nishimaki-Mogami T, Suzuki K, Okochi E, et al. Bezafibrate and clofibric acid are novel inhibitors of phosphatidylcholine synthesis via the methylation of phosphatidylethanolamine. *Biochim Biophys Acta.* 1996 Nov 11;1304(1):11-20. PMID: 8944746.

Haughom B, Spydevold O. The mechanism underlying the hypolipemic effect of perfluorooctanoic acid (PFOA), perfluorooctane sulphonic acid (PFOSA) and clofibric acid. *Biochim Biophys Acta.* 1992 Sep 22;1128(1):65-72. PMID: 1327145.

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