

Product Information

Product ID G1749

CAS No. 25812-30-0

Chemical Name 5-(2,5-Dimethylphenoxy)-2,2-dimethylpentanoic acid

Synonym Decrelip, Genlip, Lipozid, Lipur, Lopid

Formula C₁₅H₂₂O₃

Formula Wt. 250.33

Melting Point 61-63 °C

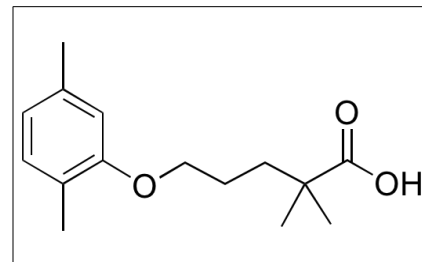
Purity ≥98%

Solubility Soluble in water and acid (0.0019%). Soluble in dilute base (>1%).

Store Temp Ambient

Ship Temp Ambient

Description Gemfibrozil is a fibrate that exhibits anti-hyperlipidemic and antibacterial activities. Gemfibrozil activates PPAR α , increasing synthesis of lipoprotein lipase, which results in decreases in serum total cholesterol, VLDL, LDL, and triglyceride levels and increases in serum HDL levels and ApoA expression. In vitro, gemfibrozil also inhibits enoyl-CoA reductase, preventing fatty acid synthesis and suppressing growth in species of *Legionella* and *Mycobacterium*.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
G1749	1 g	\$40.00
G1749	5 g	\$84.10
G1749	25 g	\$280.40

References Reich-Slotky R, Kabbash CA, Della-Latta P, et al. Gemfibrozil inhibits Legionella pneumophila and Mycobacterium tuberculosis enoyl coenzyme A reductases and blocks intracellular growth of these bacteria in macrophages. J Bacteriol. 2009 Aug;191(16):5262-71. PMID: 19429621.

Sirtori CR, Franceschini G, Gianfranceschi G, et al. Activity profile of gemfibrozil on the major plasma lipoprotein parameters. Eur J Epidemiol. 1992 May;8 Suppl 1:120-4. PMID: 1505648.

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