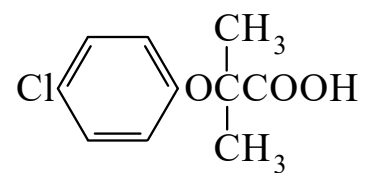




>>>Entry Name: Clofibric acid, INN

Synonym(s): 2-(4-Chlorophenoxy)-2-methylpropanoic acid. 4-Chlorophenoxyisobutyric acid. Arteriohom. Clofenat. Dimetrop. Lipinor. Regulipid. Regadren. NSC 1149



CAS Registry Number: 882-09-7

Related CAS Registry Numbers(s): 24818-79-9 36921-54-7

Molecular Formula: C₁₀H₁₁ClO₃

Molecular Weight: 214.648

Accurate Mass: 214.039672

Percentage Composition: C 55.96%; H 5.17%; Cl 16.52%; O 22.36%

Biological Use/Importance: Antihyperlipidaemic agent

Physical Description: Cryst. (MeOH or H₂O)

Melting Point: Mp 118-119°

Calculated Log P Data: Log P 2.8 (calc)

Other Data: Also used as compd. with xanthinol (Xantifibrate, INN)

Hazard & Toxicity: Peroxisome proliferator. Non-genotoxic rodent hepatocarcinogen. Other exp. hepatic effects. LD₅₀ (rat, orl) 897 mg/kg. LD₅₀ (rat, ipr) 727 mg/kg

Aldrich: 19777-7

Sigma: C7142

>>>Derivative: Magnesium salt (2:1)

Synonym(s): Magnesium clofibrate, INN. Clomag. Davistor. Reliveran. Rosolio. UR 112

CAS Registry Number: 14613-30-0

Molecular Formula: C₂₀H₂₀Cl₂MgO₆

Molecular Weight: 451.585

Accurate Mass: 450.048736

Percentage Composition: C 53.19%; H 4.46%; Cl 15.70%; Mg 5.38%; O 21.26%

Biological Use/Importance: Antihyperlipidaemic agent

Physical Description: Powder

Melting Point: Mp 326-328°

>>>Derivative: Calcium salt (2:1)

Synonym(s): Calcium clofibrate, INN. Clofical. Dabical. Normolipem. RU 19583

CAS Registry Number: 39087-48-4

Molecular Formula: C₂₀H₂₀CaClO₆

Molecular Weight: 431.905

Accurate Mass: 431.057433

Percentage Composition: C 55.62%; H 4.67%; Ca 9.28%; Cl 8.21%; O 22.23%

Biological Use/Importance: Antihyperlipidaemic agent

>>>Derivative: Aluminium compd. (2:1)

Synonym(s): Aluminium clofibrate, BAN, INN, JAN. Bis[2-(*p*-chlorophenoxy)-2-methylpropionato]hydroxyaluminium. Alufibrate. Alofran. Arterioprant. Claripex. Many other names

CAS Registry Number: 14613-01-5

Molecular Formula: C₂₀H₂₁AlCl₂O₇

Molecular Weight: 471.269

Accurate Mass: 470.047973

Percentage Composition: C 50.97%; H 4.49%; Al 5.73%; Cl 15.05%; O 23.76%

Biological Use/Importance: Antihyperlipidaemic agent

>>>Derivative: Pyridoxine salt (1:1)

Synonym(s): Claesan. Hubber-Lip. Reglipe

CAS Registry Number: 29952-87-2

Biological Use/Importance: Antihyperlipidaemic agent