Clofibrate

Other names:

Propanoic acid, 2-(4-chlorophenoxy)-2-methyl-, ethyl ester
Propionic acid, 2-(p-chlorophenoxy)-2-methyl-, ethyl ester
Amotril
Anparton
Ateculon
Ateriosan
Atheropront
Atromid S
Atromidin
Azionyl
AY 61123
Cartagyl
Claripex
Claripex CPIB
Clobren SF
Clofibrat
CPIB
Ethyl «alpha»-(p-Chlorophenoxy)-«alpha»-methylpropionate
Ethyl «alpha»-(p-chlorophenoxy)isobutyrate
Ethyl «alpha»-(4-chlorophenoxy)-«alpha»-methylpropionate
Ethyl «alpha»-(4-chlorophenoxy)isobutyrate
Ethyl clofibrate
Ethyl 2-(p-chlorophenoxy)-2-methylpropionate
Ethyl 2-(p-chlorophenoxy)isobutyrate
Ethyl 2-(4-chlorophenoxy)-2-methylpropionate
EPIB
Hyclorate
ICI 28257
Klofibrat
Lipavil
Lipavlon
Lipomid
Miscleron
Neo-Atromid
Normet
Recolip
Regelan
Serotinex
Skleromexe
2-(p-Chlorophenoxy)-2-methylpropionic acid ethyl ester

2-(4-Chlorophenoxy)-2-methylpropanoic acid ethyl ester
2-(p-Chlorophenoxy)isobutyric acid ethyl ester
«alpha»-p-Chlorophenoxyisobutyryl ethyl ester
neo-Atomid
Acetic acid, (p-chlorophenoxy)dimethyl-, ethyl ester
Amotril S
Angiokapsul
Antilipid
Antilipide
Apolan
Arterioflexin
Arterosol
Artes
Athebrate
Atheromide
Athranid-Wirkstoff
Atrolen
Atromid
Atromida
Atrovis
Bioscleran
Bresit
Chlorphenisate
Cinnarizin
Citiflus
Clobrat
Clofar
Clofibate
Clofibram
Clofibrato
Clofibratum
Clofinit
Clofipront
Delipid
Deliva
Dura clofibrat
Ethyl chlorophenoxyisobutyrate
Ethyl p-chlorophenoxyisobutyrate
ELPI
Fibralem
Gerastop
Isobutyric acid, «alpha»-(p-chlorophenoxy)-, ethyl ester
Klofiran

Levatrom
Lipamid
Lipide 500
Lipidsenker
Lipofacton
Liponorm
Lipореduct
Liporil
Liposid
Liprin
Liprinal
Lobetrin
Normalip
Normat
Oxan 600
Persantinat
Propanoic acid, 2-(p-chlorophenoxy)-2-methyl-, ethyl ester
Propionic acid, 2-(4-chlorophenoxy)-2-methyl-, ethyl ester
Regardin
Sklero
Sklero-Tablinen
Ticlobran
Xyduril
Artevil
«alpha»-(p-Chlorophenoxy)isobutyric acid, ethyl ester
Cloberat
Ethyl para-chlorophenoxyisobutyrate
Negalip
Normolipol
NSC-79389
Regelan N
Robigram
Scrobin
Serofinex
Skerolip
Skleromex
Sklero-tabuls
Vincamin compositum
Yoclo
Chlorfenisate
Sklerepmexe
Sklero-Tablinene
Sklerolip

	Abitrate
	p-Chlorophenoxyisobutyric acid ethyl ester
	Ethyl 2-(4-chlorophenoxy)isobutyrate
	Misclerone
Inchi:	InChI=1S/C12H15ClO3/c1-4-15-11(14)12(2,3)16-10-7-5-9(13)6-8-10/h5-8H,4H2,1-3H3
InchiKey:	KNHUKKLJHYUCFP-UHFFFAOYSA-N
Formula:	C12H15ClO3
SMILES:	CCOC(=O)C(C)(C)Oc1ccc(Cl)cc1
Mol. weight [g/mol]:	242.70
CAS:	637-07-0

Physical Properties

Property code	Value	Unit	Source
gf	-195.07	kJ/mol	Joback Method
hf	-467.46	kJ/mol	Joback Method
hfus	21.25	kJ/mol	Joback Method
hvap	59.90	kJ/mol	Joback Method
log10ws	-3.34		Crippen Method
logp	3.060		Crippen Method
mcvol	181.730	ml/mol	McGowan Method
pc	2395.87	kPa	Joback Method
rinpol	1515.00		NIST Webbook
rinpol	1524.00		NIST Webbook
rinpol	1549.00		NIST Webbook
rinpol	1549.00		NIST Webbook
rinpol	1549.00		NIST Webbook
rinpol	1524.00		NIST Webbook
tb	638.53	K	Joback Method
tc	859.03	K	Joback Method
tf	390.67	K	Joback Method
vc	0.679	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	449.77	J/mol×K	638.53	Joback Method
cpg	464.12	J/mol×K	675.28	Joback Method

cpg	477.51	J/mol×K	712.03	Joback Method
cpg	489.98	J/mol×K	748.78	Joback Method
cpg	501.55	J/mol×K	785.53	Joback Method
cpg	512.25	J/mol×K	822.28	Joback Method
cpg	522.10	J/mol×K	859.03	Joback Method
dvisc	0.0011963	Pa×s	390.67	Joback Method
dvisc	0.0006772	Pa×s	431.98	Joback Method
dvisc	0.0004234	Pa×s	473.29	Joback Method
dvisc	0.0002854	Pa×s	514.60	Joback Method
dvisc	0.0002040	Pa×s	555.91	Joback Method
dvisc	0.0001528	Pa×s	597.22	Joback Method
dvisc	0.0001188	Pa×s	638.53	Joback Method

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	428.20	K	2.70	NIST Webbook

Sources

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
Joback Method: https://en.wikipedia.org/wiki/Joback_method
McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C637070&Units=SI

Legend

cpg: Ideal gas heat capacity
dvisc: Dynamic viscosity
gf: Standard Gibbs free energy of formation
hf: Enthalpy of formation at standard conditions
hfus: Enthalpy of fusion at standard conditions
hvap: Enthalpy of vaporization at standard conditions
log10ws: Log10 of Water solubility in mol/l

logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tbrp:	Boiling point at reduced pressure
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume