Chlorphentermine

Other names:	Benzeneethanamine, 4-chloro-«alpha»,«alpha»-dimethyl-
	Phenethylamine, p-chloro-«alpha»,«alpha»-dimethyl-
	p-Chloro-«alpha»,«alpha»-dimethylphenethylamine
	Chlorophentermine
	Desopimon
	Effox
	Lucofen SA
	4-Chloro-«alpha»,«alpha»-dimethylphenethylamine
	«beta»-(p-Chlorophenyl)-«alpha»,«alpha»-dimethylethylamine
	1-(p-Chlorophenyl)-2-methyl-2-aminopropane
	Chlorphenteramine
	4-Chloro-«alpha»,«alpha»-dimethylbenzeneethanamine
	Clorfentermina
	Teramine
	Chlorpentermine
Inchi:	InChI=1S/C10H14ClN/c1-10(2,12)7-8-3-5-9(11)6-4-8/h3-6H,7,12H2,1-2H3
InchiKey:	ZCKAMNXUHHNZLN-UHFFFAOYSA-N
Formula:	C10H14ClN
SMILES:	CC(C)(N)Cc1ccc(Cl)cc1
Mol. weight [g/mol]:	183.68
CAS:	461-78-9

Physical Properties

Property code	Value	Unit	Source
gf	193.46	kJ/mol	Joback Method
hf	-15.37	kJ/mol	Joback Method
hfus	17.29	kJ/mol	Joback Method
hvap	54.52	kJ/mol	Joback Method
log10ws	-3.34		Crippen Method
logp	2.620		Crippen Method
mcvol	150.220	ml/mol	McGowan Method
pc	3009.03	kPa	Joback Method
rinpol	1380.00		NIST Webbook
rinpol	1329.00		NIST Webbook
rinpol	1342.00		NIST Webbook
rinpol	1342.00		NIST Webbook
rinpol	1380.00		NIST Webbook

rinpol	1329.00		NIST Webbook
rinpol	1369.00		NIST Webbook
rinpol	1371.00		NIST Webbook
rinpol	1384.00		NIST Webbook
rinpol	1383.00		NIST Webbook
rinpol	1369.00		NIST Webbook
rinpol	1394.00		NIST Webbook
rinpol	1355.00		NIST Webbook
rinpol	1394.00		NIST Webbook
rinpol	1350.00		NIST Webbook
rinpol	1338.00		NIST Webbook
rinpol	1338.00		NIST Webbook
rinpol	1329.00		NIST Webbook
rinpol	1360.00		NIST Webbook
rinpol	1371.00		NIST Webbook
rinpol	1375.00		NIST Webbook
rinpol	1380.00		NIST Webbook
rinpol	1384.00		NIST Webbook
ripol	1871.00		NIST Webbook
ripol	1871.00		NIST Webbook
ripol	1926.00		NIST Webbook
ripol	1916.00		NIST Webbook
ripol	1907.00		NIST Webbook
ripol	1942.00		NIST Webbook
tb	566.59	K	Joback Method
tc	802.25	K	Joback Method
tf	357.00	K	Joback Method
vc	0.554	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	346.63	J/mol×K	566.59	Joback Method
cpg	361.26	J/mol×K	605.87	Joback Method
cpg	374.79	J/mol×K	645.14	Joback Method
cpg	387.29	J/mol×K	684.42	Joback Method
cpg	398.84	J/mol×K	723.70	Joback Method
cpg	409.51	J/mol×K	762.97	Joback Method
cpg	419.38	J/mol×K	802.25	Joback Method

Sources

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=C461789&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

cpg:	Ideal gas heat capacity
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
ripol:	Polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume