methylamine ethanol chlorphenoxyacetate

Inchi: InChI=1S/C11H14ClNO3/c1-13-6-7-15-11(14)8-16-10-4-2-9(12)3-5-10/h2-5,13H,6-8H2,1
InchiKey: MEEZJBXAMUNYMC-UHFFFAOYSA-N
Formula: C11H14ClNO3
SMILES: CNCCOC(=O)COc1ccc(Cl)cc1
Mol. weight [g/mol]: 243.69

Physical Properties

Property code	Value	Unit	Source
gf	-116.94	kJ/mol	Joback Method
hf	-384.60	kJ/mol	Joback Method
hfus	31.17	kJ/mol	Joback Method
hvap	65.41	kJ/mol	Joback Method
log10ws	-2.00		Crippen Method
logp	1.481		Crippen Method
mcvol	177.620	ml/mol	McGowan Method
pc	2621.78	kPa	Joback Method
rinpol	1810.00		NIST Webbook
tb	669.05	K	Joback Method
tc	880.53	K	Joback Method
tf	429.64	K	Joback Method
vc	0.669	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	446.70	J/mol×K	669.05	Joback Method
cpg	459.56	J/mol×K	704.30	Joback Method
cpg	471.62	J/mol×K	739.54	Joback Method
cpg	482.88	J/mol×K	774.79	Joback Method
cpg	493.36	J/mol×K	810.04	Joback Method
cpg	503.05	J/mol×K	845.28	Joback Method
cpg	511.96	J/mol×K	880.53	Joback Method

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=R211162&Units=SI

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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume