ethanamine, 2-chloro, N-methyl, N-ethyl

Inchi: InChI=1S/C5H12ClN/c1-3-7(2)5-4-6/h3-5H2,1-2H3
InchiKey: LKFZXNUTEIHUEH-UHFFFAOYSA-N
Formula: C5H12ClN
SMILES: CCN(C)CCCl
Mol. weight [g/mol]: 121.61

Physical Properties

Property code	Value	Unit	Source
gf	90.07	kJ/mol	Joback Method
hf	-94.74	kJ/mol	Joback Method
hfus	15.92	kJ/mol	Joback Method
hvap	33.15	kJ/mol	Joback Method
log10ws	-0.64		Crippen Method
logp	1.177		Crippen Method
mcvol	103.530	ml/mol	McGowan Method
pc	3314.37	kPa	Joback Method
rinpol	837.72		NIST Webbook
rinpol	837.72		NIST Webbook
tb	363.67	K	Joback Method
tc	535.00	K	Joback Method
tf	208.50	K	Joback Method
vc	0.383	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	176.35	J/mol×K	363.67	Joback Method
cpg	186.69	J/mol×K	392.22	Joback Method
cpg	196.59	J/mol×K	420.78	Joback Method
cpg	206.06	J/mol×K	449.33	Joback Method
cpg	215.11	J/mol×K	477.89	Joback Method
cpg	223.77	J/mol×K	506.44	Joback Method
cpg	232.04	J/mol×K	535.00	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R423499&Units=SI
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

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