E-(3-Chloro-2-methyl-allyl)-dimethyl- amine

Inchi: InChI=1S/C5H10ClN/c1-5(4-6)7(2)3/h4H,1-3H3/b5-4+
InchiKey: QFLUQQCVYSBOGC-SNAWJCMRSA-N
Formula: C5H10ClN
SMILES: CC(=CCl)N(C)C
Mol. weight [g/mol]: 119.59

Physical Properties

Property code	Value	Unit	Source
gf	161.74	kJ/mol	Joback Method
hf	12.69	kJ/mol	Joback Method
hfus	14.82	kJ/mol	Joback Method
hvap	33.19	kJ/mol	Joback Method
log10ws	-1.48		Crippen Method
logp	1.648		Crippen Method
mcvol	99.230	ml/mol	McGowan Method
pc	3543.08	kPa	Joback Method
rinpol	871.30		NIST Webbook
rinpol	871.30		NIST Webbook
ripol	1050.70		NIST Webbook
tb	367.71	K	Joback Method
tc	552.03	K	Joback Method
tf	189.46	K	Joback Method
vc	0.363	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	162.10	J/mol×K	367.71	Joback Method
cpg	172.39	J/mol×K	398.43	Joback Method
cpg	182.11	J/mol×K	429.15	Joback Method
cpg	191.31	J/mol×K	459.87	Joback Method
cpg	200.00	J/mol×K	490.59	Joback Method
cpg	208.20	J/mol×K	521.31	Joback Method
cpg	215.95	J/mol×K	552.03	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=R153927&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