(Aminomethyl)cyclopropane

Other names: Cyclopropanemethylamine
Cyclopropanemethanamine
Inchi: InChI=1S/C4H9N/c5-3-4-1-2-4/h4H,1-3,5H2
InchiKey: IGSKHXTUVXSOMB-UHFFFAOYSA-N
Formula: C4H9N
SMILES: NCC1CC1
Mol. weight [g/mol]: 71.12
CAS: 2516-47-4

Physical Properties

Property code	Value	Unit	Source
gf	110.00	kJ/mol	Joback Method
hf	-19.30	kJ/mol	Joback Method
hfus	9.45	kJ/mol	Joback Method
hvap	35.05	kJ/mol	Joback Method
log10ws	-0.58		Crippen Method
logp	0.355		Crippen Method
mcvol	66.340	ml/mol	McGowan Method
pc	4994.44	kPa	Joback Method
tb	370.19	K	Joback Method
tc	568.58	K	Joback Method
tf	236.04	K	Joback Method
vc	0.245	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	121.12	J/mol×K	370.19	Joback Method
cpg	131.32	J/mol×K	403.26	Joback Method
cpg	140.92	J/mol×K	436.32	Joback Method
cpg	149.93	J/mol×K	469.39	Joback Method
cpg	158.40	J/mol×K	502.45	Joback Method
cpg	166.35	J/mol×K	535.52	Joback Method
cpg	173.81	J/mol×K	568.58	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C2516474&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
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

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