cycloamyl-methyl-amine

Inchi: InChI=1S/C6H13N/c1-7-6-4-2-3-5-6/h6-7H,2-5H2,1H3
InchiKey: KKTBUCVHSCATGB-UHFFFAOYSA-N
Formula: C6H13N
SMILES: CNC1CCCC1
Mol. weight [g/mol]: 99.17

Physical Properties

Property code	Value	Unit	Source
gf	125.58	kJ/mol	Joback Method
hf	-53.22	kJ/mol	Joback Method
hfus	10.33	kJ/mol	Joback Method
hvap	35.64	kJ/mol	Joback Method
log10ws	-1.53		Crippen Method
logp	1.148		Crippen Method
mcvol	94.520	ml/mol	McGowan Method
pc	3901.37	kPa	Joback Method
rinpol	828.00		NIST Webbook
rinpol	828.00		NIST Webbook
tb	402.13	K	Joback Method
tc	602.65	K	Joback Method
tf	220.94	K	Joback Method
vc	0.347	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	179.87	J/mol×K	402.13	Joback Method
cpg	194.53	J/mol×K	435.55	Joback Method
cpg	208.45	J/mol×K	468.97	Joback Method
cpg	221.65	J/mol×K	502.39	Joback Method
cpg	234.14	J/mol×K	535.81	Joback Method
cpg	245.97	J/mol×K	569.23	Joback Method
cpg	257.14	J/mol×K	602.65	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R521692&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