cyclohexyl-n-propyl-amine

Inchi: InChI=1S/C9H19N/c1-2-8-10-9-6-4-3-5-7-9/h9-10H,2-8H2,1H3
InchiKey: PXKCSKRXWAZGFK-UHFFFAOYSA-N
Formula: C9H19N
SMILES: CCCNC1CCCCC1
Mol. weight [g/mol]: 141.25

Physical Properties

Property code	Value	Unit	Source
gf	138.74	kJ/mol	Joback Method
hf	-121.30	kJ/mol	Joback Method
hfus	16.00	kJ/mol	Joback Method
hvap	42.49	kJ/mol	Joback Method
log10ws	-2.79		Crippen Method
logp	2.319		Crippen Method
mcvol	136.790	ml/mol	McGowan Method
pc	2878.12	kPa	Joback Method
rinpol	1086.00		NIST Webbook
tb	475.04	K	Joback Method
tc	676.74	K	Joback Method
tf	251.23	K	Joback Method
vc	0.507	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	308.14	J/mol×K	475.04	Joback Method
cpg	326.82	J/mol×K	508.66	Joback Method
cpg	344.55	J/mol×K	542.27	Joback Method
cpg	361.37	J/mol×K	575.89	Joback Method
cpg	377.29	J/mol×K	609.51	Joback Method
cpg	392.34	J/mol×K	643.12	Joback Method
cpg	406.56	J/mol×K	676.74	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=R521736&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