cycloamyl-n-propyl-amine

Inchi: InChI=1S/C8H17N/c1-2-7-9-8-5-3-4-6-8/h8-9H,2-7H2,1H3
InchiKey: OPZNSPHUHIXVGR-UHFFFAOYSA-N
Formula: C8H17N
SMILES: CCCNC1CCCC1
Mol. weight [g/mol]: 127.23

Physical Properties

Property code	Value	Unit	Source
gf	142.42	kJ/mol	Joback Method
hf	-94.50	kJ/mol	Joback Method
hfus	15.51	kJ/mol	Joback Method
hvap	40.09	kJ/mol	Joback Method
log10ws	-2.37		Crippen Method
logp	1.929		Crippen Method
mcvol	122.700	ml/mol	McGowan Method
pc	3110.57	kPa	Joback Method
rinpol	982.00		NIST Webbook
rinpol	982.00		NIST Webbook
tb	447.89	K	Joback Method
tc	644.38	K	Joback Method
tf	243.48	K	Joback Method
vc	0.460	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	263.35	J/mol×K	447.89	Joback Method
cpg	280.15	J/mol×K	480.64	Joback Method
cpg	296.10	J/mol×K	513.39	Joback Method
cpg	311.24	J/mol×K	546.13	Joback Method
cpg	325.59	J/mol×K	578.88	Joback Method
cpg	339.17	J/mol×K	611.63	Joback Method
cpg	352.03	J/mol×K	644.38	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R521701&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