cyclohexyl-n-amyl-amine

Inchi: InChI=1S/C11H23N/c1-2-3-7-10-12-11-8-5-4-6-9-11/h11-12H,2-10H2,1H3
InchiKey: GDWCYEJRZHRZFP-UHFFFAOYSA-N
Formula: C11H23N
SMILES: CCCCCNC1CCCCC1
Mol. weight [g/mol]: 169.31

Physical Properties

Property code	Value	Unit	Source
gf	155.58	kJ/mol	Joback Method
hf	-162.58	kJ/mol	Joback Method
hfus	21.18	kJ/mol	Joback Method
hvap	46.95	kJ/mol	Joback Method
log10ws	-3.62		Crippen Method
logp	3.099		Crippen Method
mcvol	164.970	ml/mol	McGowan Method
pc	2365.67	kPa	Joback Method
rinpol	1283.00		NIST Webbook
tb	520.80	K	Joback Method
tc	717.21	K	Joback Method
tf	273.77	K	Joback Method
vc	0.620	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	404.32	J/mol×K	520.80	Joback Method
cpg	424.34	J/mol×K	553.54	Joback Method
cpg	443.35	J/mol×K	586.27	Joback Method
cpg	461.38	J/mol×K	619.01	Joback Method
cpg	478.45	J/mol×K	651.74	Joback Method
cpg	494.61	J/mol×K	684.48	Joback Method
cpg	509.86	J/mol×K	717.21	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R521721&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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume