2-Cyclohexylamino-1-phenylethanol

Other names: Benzenemethanol, «alpha»-[(cyclohexylamino)methyl]-
Benzyl alcohol, «alpha»-((cyclohexylamino)methyl)-
Ethanol, 2-cyclohexylamino-1-phenyl-
Inchi: InChI=1S/C14H21NO/c16-14(12-7-3-1-4-8-12)11-15-13-9-5-2-6-10-13/h1,3-4,7-8,13-16H
InchiKey: ISYFTHDLBGNHQW-UHFFFAOYSA-N
Formula: C14H21NO
SMILES: OC(CNC1CCCCC1)c1ccccc1
Mol. weight [g/mol]: 219.32
CAS: 6589-48-6

Physical Properties

Property code	Value	Unit	Source
gf	153.99	kJ/mol	Joback Method
hf	-145.48	kJ/mol	Joback Method
hfus	23.56	kJ/mol	Joback Method
hvap	72.19	kJ/mol	Joback Method
log10ws	-3.70		Crippen Method
logp	2.642		Crippen Method
mcvol	189.350	ml/mol	McGowan Method
pc	2732.56	kPa	Joback Method
tb	707.86	K	Joback Method
tc	924.48	K	Joback Method
tf	379.82	K	Joback Method
vc	0.693	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	557.45	J/mol×K	707.86	Joback Method
cpg	574.50	J/mol×K	743.96	Joback Method
cpg	590.34	J/mol×K	780.07	Joback Method
cpg	605.04	J/mol×K	816.17	Joback Method
cpg	618.65	J/mol×K	852.27	Joback Method
cpg	631.23	J/mol×K	888.38	Joback Method

cpg	642.84	J/mol×K	924.48	Joback Method

Sources

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=C6589486&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

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