2-Norbornanamine, n-benzyl-

Inchi: InChI=1S/C14H19N/c1-2-4-11(5-3-1)10-15-14-9-12-6-7-13(14)8-12/h1-5,12-15H,6-10H2
InchiKey: DOMDOUHZPYAOCT-UHFFFAOYSA-N
Formula: C14H19N
SMILES: c1ccc(CNC2CC3CCC2C3)cc1
Mol. weight [g/mol]: 201.31

Physical Properties

Property code	Value	Unit	Source
gf	370.49	kJ/mol	Joback Method
hf	76.81	kJ/mol	Joback Method
hfus	26.40	kJ/mol	Joback Method
hvap	55.16	kJ/mol	Joback Method
log10ws	-3.89		Crippen Method
logp	2.965		Crippen Method
mcvol	172.620	ml/mol	McGowan Method
pc	2587.22	kPa	Joback Method
tb	609.65	K	Joback Method
tc	840.34	K	Joback Method
tf	354.74	K	Joback Method
vc	0.651	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	474.35	J/mol×K	609.65	Joback Method
cpg	494.97	J/mol×K	648.10	Joback Method
cpg	514.09	J/mol×K	686.55	Joback Method
cpg	531.81	J/mol×K	724.99	Joback Method
cpg	548.25	J/mol×K	763.44	Joback Method
cpg	563.51	J/mol×K	801.89	Joback Method
cpg	577.72	J/mol×K	840.34	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=B6006758&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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume