2-(«alpha»-Methybenzylamino)ethanol

Inchi: InChI=1S/C10H15NO/c1-9(11-7-8-12)10-5-3-2-4-6-10/h2-6,9,11-12H,7-8H2,1H3
InchiKey: GXIWMXAAPLZOBY-UHFFFAOYSA-N
Formula: C10H15NO
SMILES: CC(NCCO)c1ccccc1
Mol. weight [g/mol]: 165.23
CAS: 1331-41-5

Physical Properties

Property code	Value	Unit	Source
gf	95.86	kJ/mol	Joback Method
hf	-117.24	kJ/mol	Joback Method
hfus	21.36	kJ/mol	Joback Method
hvap	62.86	kJ/mol	Joback Method
log10ws	-2.02		Crippen Method
logp	1.329		Crippen Method
mcvol	143.850	ml/mol	McGowan Method
pc	3325.84	kPa	Joback Method
rinpol	1364.00		NIST Webbook
tb	596.79	K	Joback Method
tc	794.00	K	Joback Method
tf	327.36	K	Joback Method
vc	0.535	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	360.60	J/mol×K	596.79	Joback Method
cpg	373.31	J/mol×K	629.66	Joback Method
cpg	385.28	J/mol×K	662.53	Joback Method
cpg	396.53	J/mol×K	695.39	Joback Method
cpg	407.11	J/mol×K	728.26	Joback Method
cpg	417.04	J/mol×K	761.13	Joback Method
cpg	426.35	J/mol×K	794.00	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=C1331415&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