Benzenemethanol, 2-amino-«alpha»-phenyl-

Inchi: InChI=1S/C13H13NO/c14-12-9-5-4-8-11(12)13(15)10-6-2-1-3-7-10/h1-9,13,15H,14H2
InchiKey: NAWYZLGDGZTAPN-UHFFFAOYSA-N
Formula: C13H13NO
SMILES: Nc1ccccc1C(O)c1ccccc1
Mol. weight [g/mol]: 199.25
CAS: 13209-38-6

Physical Properties

Property code	Value	Unit	Source
gf	200.96	kJ/mol	Joback Method
hf	26.22	kJ/mol	Joback Method
hfus	22.88	kJ/mol	Joback Method
hvap	76.68	kJ/mol	Joback Method
log10ws	-2.93		Crippen Method
logp	2.350		Crippen Method
mcvol	162.360	ml/mol	McGowan Method
pc	3620.24	kPa	Joback Method
tb	719.45	K	Joback Method
tc	954.42	K	Joback Method
tf	430.71	K	Joback Method
vc	0.590	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	435.35	J/mol×K	719.45	Joback Method
cpg	447.78	J/mol×K	758.61	Joback Method
cpg	459.22	J/mol×K	797.77	Joback Method
cpg	469.74	J/mol×K	836.94	Joback Method
cpg	479.40	J/mol×K	876.10	Joback Method
cpg	488.27	J/mol×K	915.26	Joback Method
cpg	496.42	J/mol×K	954.42	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C13209386&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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume