2,2'-(P-hydroxyphenylamino) diethanol

Inchi: InChI=1S/C10H15NO3/c12-7-5-11(6-8-13)9-1-3-10(14)4-2-9/h1-4,12-14H,5-8H2
InchiKey: DBXKIYHVQNCBRQ-UHFFFAOYSA-N
Formula: C10H15NO3
SMILES: OCCN(CCO)c1ccc(O)cc1
Mol. weight [g/mol]: 197.23
CAS: 2198-51-8

Physical Properties

Property code	Value	Unit	Source
gf	-171.75	kJ/mol	Joback Method
hf	-427.44	kJ/mol	Joback Method
hfus	32.68	kJ/mol	Joback Method
hvap	88.54	kJ/mol	Joback Method
log10ws	-0.29		Crippen Method
logp	0.183		Crippen Method
mcvol	155.590	ml/mol	McGowan Method
pc	4351.13	kPa	Joback Method
tb	732.30	K	Joback Method
tc	924.22	K	Joback Method
tf	494.71	K	Joback Method
vc	0.509	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	446.14	J/mol×K	732.30	Joback Method
cpg	455.62	J/mol×K	764.29	Joback Method
cpg	464.60	J/mol×K	796.27	Joback Method
cpg	473.17	J/mol×K	828.26	Joback Method
cpg	481.36	J/mol×K	860.25	Joback Method
cpg	489.26	J/mol×K	892.23	Joback Method
cpg	496.93	J/mol×K	924.22	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=C2198518&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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume