Ethanol, 2,2'-[(1-methylethyl)imino]bis-

Other names:	Ethanol, 2,2'-(isopropylimino)di-
	Diethanolisopropylamine
	Isopropyldiethanolamine
	2,2'-(Isopropylimino)diethanol
	N-Isopropyl-2,2'-iminodiethanol
	N,N-Bis(2-hydroxyethyl)isopropylamine
	Ethanol, 2,2-(isopropylimino)di-
	2,2'-[(1-methylethyl)imino]bisethanol
Inchi:	InChI=1S/C7H17NO2/c1-7(2)8(3-5-9)4-6-10/h7,9-10H,3-6H2,1-2H3
InchiKey:	HHRGNKUNRVABBN-UHFFFAOYSA-N
Formula:	C7H17NO2
SMILES:	CC(C)N(CCO)CCO
Mol. weight [g/mol]:	147.22
CAS:	121-93-7

Physical Properties

Property code	Value	Unit	Source
gf	-157.24	kJ/mol	Joback Method
hf	-430.02	kJ/mol	Joback Method
hfus	21.56	kJ/mol	Joback Method
hvap	66.19	kJ/mol	Joback Method
log10ws	0.04		Crippen Method
logp	-0.319		Crippen Method
mcvol	131.210	ml/mol	McGowan Method
pc	3460.21	kPa	Joback Method
tb	555.92	K	Joback Method
tc	714.63	K	Joback Method
tf	307.76	K	Joback Method
vc	0.477	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	333.70	J/mol×K	555.92	Joback Method

cpg	343.87	J/mol×K	582.37	Joback Method
cpg	353.60	J/mol×K	608.82	Joback Method
cpg	362.91	J/mol×K	635.27	Joback Method
cpg	371.82	J/mol×K	661.72	Joback Method
cpg	380.34	J/mol×K	688.17	Joback Method
cpg	388.49	J/mol×K	714.63	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=C121937&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