Diisopropyl-(2-methoxy-ethyl)-amine

Inchi: InChI=1S/C9H21NO/c1-8(2)10(9(3)4)6-7-11-5/h8-9H,6-7H2,1-5H3
InchiKey: WAFKWLVWZORWPS-UHFFFAOYSA-N
Formula: C9H21NO
SMILES: COCCN(C(C)C)C(C)C
Mol. weight [g/mol]: 159.27

Physical Properties

Property code	Value	Unit	Source
gf	25.80	kJ/mol	Joback Method
hf	-304.34	kJ/mol	Joback Method
hfus	16.23	kJ/mol	Joback Method
hvap	39.31	kJ/mol	Joback Method
log10ws	-1.47		Crippen Method
logp	1.752		Crippen Method
mcvol	153.520	ml/mol	McGowan Method
pc	2300.32	kPa	Joback Method
rinpol	1020.86		NIST Webbook
tb	439.30	K	Joback Method
tc	608.34	K	Joback Method
tf	215.89	K	Joback Method
vc	0.564	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	330.45	J/mol×K	439.30	Joback Method
cpg	345.93	J/mol×K	467.47	Joback Method
cpg	360.84	J/mol×K	495.65	Joback Method
cpg	375.17	J/mol×K	523.82	Joback Method
cpg	388.95	J/mol×K	551.99	Joback Method
cpg	402.18	J/mol×K	580.17	Joback Method
cpg	414.87	J/mol×K	608.34	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=R513552&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