Ethyl-isopropyl-(2-methoxy-ethyl)-amine

Inchi: InChI=1S/C8H19NO/c1-5-9(8(2)3)6-7-10-4/h8H,5-7H2,1-4H3
InchiKey: DTJOCIYKEFIORQ-UHFFFAOYSA-N
Formula: C8H19NO
SMILES: CCN(CCOC)C(C)C
Mol. weight [g/mol]: 145.24

Physical Properties

Property code	Value	Unit	Source
gf	19.82	kJ/mol	Joback Method
hf	-278.42	kJ/mol	Joback Method
hfus	17.16	kJ/mol	Joback Method
hvap	37.47	kJ/mol	Joback Method
log10ws	-0.94		Crippen Method
logp	1.363		Crippen Method
mcvol	139.430	ml/mol	McGowan Method
pc	2507.52	kPa	Joback Method
rinpol	954.12		NIST Webbook
tb	416.86	K	Joback Method
tc	583.14	K	Joback Method
tf	219.62	K	Joback Method
vc	0.513	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	287.40	J/mol×K	416.86	Joback Method
cpg	301.50	J/mol×K	444.57	Joback Method
cpg	315.10	J/mol×K	472.29	Joback Method
cpg	328.20	J/mol×K	500.00	Joback Method
cpg	340.81	J/mol×K	527.71	Joback Method
cpg	352.94	J/mol×K	555.43	Joback Method
cpg	364.61	J/mol×K	583.14	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R513616&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

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