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

Inchi: InChI=1S/C8H19NO/c1-4-6-9(5-2)7-8-10-3/h4-8H2,1-3H3
InchiKey: LITBYOMEOMSVGS-UHFFFAOYSA-N
Formula: C8H19NO
SMILES: CCCN(CC)CCOC
Mol. weight [g/mol]: 145.24

Physical Properties

Property code	Value	Unit	Source
gf	22.26	kJ/mol	Joback Method
hf	-273.14	kJ/mol	Joback Method
hfus	20.68	kJ/mol	Joback Method
hvap	37.86	kJ/mol	Joback Method
log10ws	-0.83		Crippen Method
logp	1.365		Crippen Method
mcvol	139.430	ml/mol	McGowan Method
pc	2487.55	kPa	Joback Method
rinpol	966.47		NIST Webbook
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tb	417.30	K	Joback Method
tc	580.02	K	Joback Method
tf	234.62	K	Joback Method
vc	0.519	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	287.43	J/mol×K	417.30	Joback Method
cpg	301.15	J/mol×K	444.42	Joback Method
cpg	314.39	J/mol×K	471.54	Joback Method
cpg	327.16	J/mol×K	498.66	Joback Method
cpg	339.47	J/mol×K	525.78	Joback Method
cpg	351.33	J/mol×K	552.90	Joback Method
cpg	362.74	J/mol×K	580.02	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=R513592&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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume