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

Inchi: InChI=1S/C6H15NO/c1-4-7(2)5-6-8-3/h4-6H2,1-3H3
InchiKey: GLOXJMLMKNPSTH-UHFFFAOYSA-N
Formula: C6H15NO
SMILES: CCN(C)CCOC
Mol. weight [g/mol]: 117.19

Physical Properties

Property code	Value	Unit	Source
gf	5.42	kJ/mol	Joback Method
hf	-231.86	kJ/mol	Joback Method
hfus	15.50	kJ/mol	Joback Method
hvap	33.40	kJ/mol	Joback Method
log10ws	8.71e-03		Crippen Method
logp	0.585		Crippen Method
mcvol	111.250	ml/mol	McGowan Method
pc	3042.32	kPa	Joback Method
rinpol	819.50		NIST Webbook
rinpol	819.50		NIST Webbook
tb	371.54	K	Joback Method
tc	535.02	K	Joback Method
tf	212.08	K	Joback Method
vc	0.407	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	208.21	J/mol×K	371.54	Joback Method
cpg	219.63	J/mol×K	398.79	Joback Method
cpg	230.68	J/mol×K	426.03	Joback Method
cpg	241.36	J/mol×K	453.28	Joback Method
cpg	251.67	J/mol×K	480.52	Joback Method
cpg	261.62	J/mol×K	507.77	Joback Method
cpg	271.22	J/mol×K	535.02	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R513587&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
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

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