Diethyl-(2-methoxy-ethyl)-amine

Inchi: InChI=1S/C7H17NO/c1-4-8(5-2)6-7-9-3/h4-7H2,1-3H3
InchiKey: PPXWSSUGLNOXLF-UHFFFAOYSA-N
Formula: C7H17NO
SMILES: CCN(CC)CCOC
Mol. weight [g/mol]: 131.22

Physical Properties

Property code	Value	Unit	Source
gf	13.84	kJ/mol	Joback Method
hf	-252.50	kJ/mol	Joback Method
hfus	18.09	kJ/mol	Joback Method
hvap	35.63	kJ/mol	Joback Method
log10ws	-0.41		Crippen Method
logp	0.975		Crippen Method
mcvol	125.340	ml/mol	McGowan Method
pc	2744.03	kPa	Joback Method
rinpol	889.31		NIST Webbook
rinpol	889.31		NIST Webbook
tb	394.42	K	Joback Method
tc	557.63	K	Joback Method
tf	223.35	K	Joback Method
vc	0.464	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	246.66	J/mol×K	394.42	Joback Method
cpg	259.29	J/mol×K	421.62	Joback Method
cpg	271.49	J/mol×K	448.82	Joback Method
cpg	283.27	J/mol×K	476.03	Joback Method
cpg	294.63	J/mol×K	503.23	Joback Method
cpg	305.58	J/mol×K	530.43	Joback Method
cpg	316.14	J/mol×K	557.63	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R513547&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