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

Inchi: InChI=1S/C9H21NO/c1-5-6-10(9(2)3)7-8-11-4/h9H,5-8H2,1-4H3
InchiKey: ZZCCSJGBKSBOII-UHFFFAOYSA-N
Formula: C9H21NO
SMILES: CCCN(CCOC)C(C)C
Mol. weight [g/mol]: 159.27

Physical Properties

Property code	Value	Unit	Source
gf	28.24	kJ/mol	Joback Method
hf	-299.06	kJ/mol	Joback Method
hfus	19.75	kJ/mol	Joback Method
hvap	39.69	kJ/mol	Joback Method
log10ws	-1.36		Crippen Method
logp	1.753		Crippen Method
mcvol	153.520	ml/mol	McGowan Method
pc	2282.77	kPa	Joback Method
rinpol	1033.74		NIST Webbook
rinpol	1033.74		NIST Webbook
tb	439.74	K	Joback Method
tc	605.23	K	Joback Method
tf	230.89	K	Joback Method
vc	0.570	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	330.44	J/mol×K	439.74	Joback Method
cpg	345.52	J/mol×K	467.32	Joback Method
cpg	360.05	J/mol×K	494.90	Joback Method
cpg	374.04	J/mol×K	522.49	Joback Method
cpg	387.50	J/mol×K	550.07	Joback Method
cpg	400.44	J/mol×K	577.65	Joback Method
cpg	412.87	J/mol×K	605.23	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=R513656&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