(2-Methoxy-ethyl)-dipropyl-amine

Inchi: InChI=1S/C9H21NO/c1-4-6-10(7-5-2)8-9-11-3/h4-9H2,1-3H3
InchiKey: JJUCFZFVLXIHET-UHFFFAOYSA-N
Formula: C9H21NO
SMILES: CCCN(CCC)CCOC
Mol. weight [g/mol]: 159.27

Physical Properties

Property code	Value	Unit	Source
gf	30.68	kJ/mol	Joback Method
hf	-293.78	kJ/mol	Joback Method
hfus	23.27	kJ/mol	Joback Method
hvap	40.08	kJ/mol	Joback Method
log10ws	-1.25		Crippen Method
logp	1.755		Crippen Method
mcvol	153.520	ml/mol	McGowan Method
pc	2265.42	kPa	Joback Method
rinpol	1045.40		NIST Webbook
rinpol	1045.40		NIST Webbook
tb	440.18	K	Joback Method
tc	602.24	K	Joback Method
tf	245.89	K	Joback Method
vc	0.576	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	330.42	J/mol×K	440.18	Joback Method
cpg	345.11	J/mol×K	467.19	Joback Method
cpg	359.28	J/mol×K	494.20	Joback Method
cpg	372.94	J/mol×K	521.21	Joback Method
cpg	386.10	J/mol×K	548.22	Joback Method
cpg	398.76	J/mol×K	575.23	Joback Method
cpg	410.94	J/mol×K	602.24	Joback Method

Sources

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
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R513527&Units=SI

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

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