Allylamine, n,n-bis(2-ethoxyethyl)-

Inchi: InChI=1S/C11H23NO2/c1-4-7-12(8-10-13-5-2)9-11-14-6-3/h4H,1,5-11H2,2-3H3
InchiKey: QMMVZVMSBPZZRE-UHFFFAOYSA-N
Formula: C11H23NO2
SMILES: C=CCN(CCOCC)CCOCC
Mol. weight [g/mol]: 201.31
CAS: 116557-93-8

Physical Properties

Property code	Value	Unit	Source
gf	30.36	kJ/mol	Joback Method
hf	-341.85	kJ/mol	Joback Method
hfus	28.36	kJ/mol	Joback Method
hvap	46.27	kJ/mol	Joback Method
log10ws	-1.03		Crippen Method
logp	1.547		Crippen Method
mcvol	183.270	ml/mol	McGowan Method
pc	1944.08	kPa	Joback Method
tb	505.04	K	Joback Method
tc	668.35	K	Joback Method
tf	288.90	K	Joback Method
vc	0.686	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	432.41	J/mol×K	505.04	Joback Method
cpg	447.99	J/mol×K	532.26	Joback Method
cpg	463.00	J/mol×K	559.48	Joback Method
cpg	477.45	J/mol×K	586.70	Joback Method
cpg	491.35	J/mol×K	613.92	Joback Method
cpg	504.70	J/mol×K	641.13	Joback Method
cpg	517.51	J/mol×K	668.35	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=C116557938&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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume