Diallylamine, n-(2-ethoxyethyl)-

Inchi: InChI=1S/C10H19NO/c1-4-7-11(8-5-2)9-10-12-6-3/h4-5H,1-2,6-10H2,3H3
InchiKey: BFMZEWBLGHVUAP-UHFFFAOYSA-N
Formula: C10H19NO
SMILES: C=CCN(CC=C)CCOCC
Mol. weight [g/mol]: 169.26
CAS: 116373-80-9

Physical Properties

Property code	Value	Unit	Source
gf	214.78	kJ/mol	Joback Method
hf	-63.56	kJ/mol	Joback Method
hfus	23.31	kJ/mol	Joback Method
hvap	40.97	kJ/mol	Joback Method
log10ws	-1.37		Crippen Method
logp	1.697		Crippen Method
mcvol	159.010	ml/mol	McGowan Method
pc	2239.76	kPa	Joback Method
tb	456.42	K	Joback Method
tc	623.82	K	Joback Method
tf	253.64	K	Joback Method
vc	0.594	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	341.08	J/mol×K	456.42	Joback Method
cpg	355.69	J/mol×K	484.32	Joback Method
cpg	369.70	J/mol×K	512.22	Joback Method
cpg	383.12	J/mol×K	540.12	Joback Method
cpg	395.98	J/mol×K	568.02	Joback Method
cpg	408.29	J/mol×K	595.92	Joback Method
cpg	420.06	J/mol×K	623.82	Joback Method

Sources

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=C116373809&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

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