Ethanol, 2-(di-2-propenylamino)-

Other names:	Ethanol, 2-(diallylamino)-
	N,N-Diallylaminoethanol
	N,N-Diallylethanolamine
	Diallylethanolamine
Inchi:	InChI=1S/C8H15NO/c1-3-5-9(6-4-2)7-8-10/h3-4,10H,1-2,5-8H2
InchiKey:	NSXPSOZPCYEURW-UHFFFAOYSA-N
Formula:	C8H15NO
SMILES:	C=CCN(CC=C)CCO
Mol. weight [g/mol]:	141.21
CAS:	17719-79-8

Physical Properties

Property code	Value	Unit	Source
gf	166.12	kJ/mol	Joback Method
hf	-42.29	kJ/mol	Joback Method
hfus	21.03	kJ/mol	Joback Method
hvap	50.78	kJ/mol	Joback Method
log10ws	-0.71		Crippen Method
logp	0.653		Crippen Method
mcvol	130.830	ml/mol	McGowan Method
pc	3045.68	kPa	Joback Method
tb	480.42	K	Joback Method
tc	644.64	K	Joback Method
tf	269.69	K	Joback Method
vc	0.482	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	287.70	J/mol×K	480.42	Joback Method
cpg	298.93	J/mol×K	507.79	Joback Method
cpg	309.63	J/mol×K	535.16	Joback Method
cpg	319.84	J/mol×K	562.53	Joback Method
cpg	329.57	J/mol×K	589.90	Joback Method

cpg	338.83	J/mol×K	617.27	Joback Method
cpg	347.66	J/mol×K	644.64	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=C17719798&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