2-ETHOXYETHYL,DIETHYLAMINE

Other names: «beta»-ethoxyethyldiethylamine
Inchi: InChI=1S/C8H19NO/c1-4-9(5-2)7-8-10-6-3/h4-8H2,1-3H3
InchiKey: IYFPJGYLQRTWNR-UHFFFAOYSA-N
Formula: C8H19NO
SMILES: CCOCCN(CC)CC
Mol. weight [g/mol]: 145.25

Physical Properties

Property code	Value	Unit	Source
af	0.4513		Cheméo Relay (1.0)
gf	22.26	kJ/mol	Joback Method
hf	-287.44	kJ/mol	Cheméo Relay (1.0)
hfus	20.68	kJ/mol	Joback Method
hvap	45.65	kJ/mol	Cheméo Relay (1.0)
ie	8.05	eV	Cheméo Relay (1.0)
log10ws	-0.17		Cheméo Relay (1.0)
logp	1.365		Crippen Method
mcvol	139.430	ml/mol	McGowan Method
pc	2487.55	kPa	Joback Method
tb	426.62	K	Cheméo Relay (1.0)
tc	584.69	K	Cheméo Relay (1.0)
tf	185.86	K	Cheméo Relay (1.0)
vc	0.506	m3/kmol	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	287.43	J/mol×K	417.30	Joback Method
cpg	301.15	J/mol×K	444.42	Joback Method
cpg	314.39	J/mol×K	471.54	Joback Method
cpg	327.16	J/mol×K	498.66	Joback Method
cpg	339.47	J/mol×K	525.78	Joback Method
cpg	351.33	J/mol×K	552.90	Joback Method
cpg	362.74	J/mol×K	580.02	Joback Method

Sources

Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C28343477&Units=SI

Legend

af:	Acentric Factor
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
ie:	Ionization energy
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