2,2',2''-Nitrilotriethanol, diethyl ether

Other names: 2-[Bis(2-ethoxyethyl)amino]ethanol
Inchi: InChI=1S/C10H23NO3/c1-3-13-9-6-11(5-8-12)7-10-14-4-2/h12H,3-10H2,1-2H3
InchiKey: VTJDRFJLPQCQJU-UHFFFAOYSA-N
Formula: C10H23NO3
SMILES: CCOCCN(CCO)CCOCC
Mol. weight [g/mol]: 205.29

Physical Properties

Property code	Value	Unit	Source
gf	-202.72	kJ/mol	Joback Method
hf	-598.87	kJ/mol	Joback Method
hfus	31.14	kJ/mol	Joback Method
hvap	61.40	kJ/mol	Joback Method
log10ws	-0.02		Crippen Method
logp	0.354		Crippen Method
mcvol	179.350	ml/mol	McGowan Method
pc	2220.80	kPa	Joback Method
rinpol	1404.00		NIST Webbook
tb	577.66	K	Joback Method
tc	735.93	K	Joback Method
tf	340.21	K	Joback Method
vc	0.668	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	470.12	J/mol×K	577.66	Joback Method
cpg	483.61	J/mol×K	604.04	Joback Method
cpg	496.60	J/mol×K	630.42	Joback Method
cpg	509.10	J/mol×K	656.79	Joback Method
cpg	521.11	J/mol×K	683.17	Joback Method
cpg	532.64	J/mol×K	709.55	Joback Method
cpg	543.68	J/mol×K	735.93	Joback Method

Sources

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=U378716&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

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