2-[2-(dimethylamino)ethoxy]ethanol

Inchi: InChI=1S/C6H15NO2/c1-7(2)3-5-9-6-4-8/h8H,3-6H2,1-2H3
InchiKey: YSAANLSYLSUVHB-UHFFFAOYSA-N
Formula: C6H15NO2
SMILES: CN(C)CCOCCO
Mol. weight [g/mol]: 133.19
CAS: 1704-62-7

Physical Properties

Property code	Value	Unit	Source
gf	-131.40	kJ/mol	Joback Method
hf	-384.09	kJ/mol	Joback Method
hfus	19.59	kJ/mol	Joback Method
hvap	50.08	kJ/mol	Joback Method
log10ws	0.75		Crippen Method
logp	-0.443		Crippen Method
mcvol	117.120	ml/mol	McGowan Method
pc	3376.28	kPa	Joback Method
tb	473.09 ± 0.30	K	NIST Webbook
tc	623.77	K	Joback Method
tf	272.90	K	Joback Method
vc	0.426	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	260.84	J/mol×K	463.72	Joback Method
cpg	271.12	J/mol×K	490.39	Joback Method
cpg	281.03	J/mol×K	517.07	Joback Method
cpg	290.58	J/mol×K	543.74	Joback Method
cpg	299.77	J/mol×K	570.42	Joback Method
cpg	308.62	J/mol×K	597.09	Joback Method
cpg	317.12	J/mol×K	623.77	Joback Method
hvapt	54.40	kJ/mol	432.00	NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C1704627&Units=SI
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

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
hvapt:	Enthalpy of vaporization at a given temperature
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