2-[2-(2-{2-[2-(2-Diethylamino-ethoxy)-ethoxy]-ethoxy}-ethoxy)-ethoxy]- ethanol

Inchi: InChI=1S/C16H35NO6/c1-3-17(4-2)5-7-19-9-11-21-13-15-23-16-14-22-12-10-20-8-6-18/h18H,3-16H2,1-2H3

InchiKey: KSYRBVXNNJDTLA-UHFFFAOYSA-N

Formula: C16H35NO6

SMILES: CCN(CC)CCOCCOCCOCCOCCOCCO

Mol. weight [g/mol]: 337.45

Physical Properties

Property code	Value	Unit	Source
gf	-467.20	kJ/mol	Joback Method
hf	-1119.37	kJ/mol	Joback Method
hfus	50.24	kJ/mol	Joback Method
hvap	81.98	kJ/mol	Joback Method
log10ws	0.21		Crippen Method
logp	0.404		Crippen Method
mcvol	281.500	ml/mol	McGowan Method
pc	1323.28	kPa	Joback Method
rinpol	2282.00		NIST Webbook
rinpol	2282.00		NIST Webbook
tb	782.20	K	Joback Method
tc	957.89	K	Joback Method
tf	474.52	K	Joback Method
vc	1.058	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	890.04	J/mol×K	782.20	Joback Method
cpg	907.10	J/mol×K	811.48	Joback Method
cpg	923.21	J/mol×K	840.76	Joback Method
cpg	938.37	J/mol×K	870.04	Joback Method
cpg	952.57	J/mol×K	899.32	Joback Method
cpg	965.80	J/mol×K	928.60	Joback Method
cpg	978.07	J/mol×K	957.89	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R180573&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
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