2-[((2-[(2-Hydroxybenzyl)amino]ethyl)amino)meth

Inchi: InChI=1S/C16H20N2O2/c19-15-7-3-1-5-13(15)11-17-9-10-18-12-14-6-2-4-8-16(14)20/h1
InchiKey: MLFXJCXPSODAIS-UHFFFAOYSA-N
Formula: C16H20N2O2
SMILES: Oc1ccccc1CNCCNCc1ccccc1O
Mol. weight [g/mol]: 272.34
CAS: 18653-98-0

Physical Properties

Property code	Value	Unit	Source
gf	178.20	kJ/mol	Joback Method
hf	-148.19	kJ/mol	Joback Method
hfus	47.04	kJ/mol	Joback Method
hvap	94.66	kJ/mol	Joback Method
log10ws	-3.19		Crippen Method
logp	1.977		Crippen Method
mcvol	220.480	ml/mol	McGowan Method
pc	3199.16	kPa	Joback Method
tb	880.42	K	Joback Method
tc	1120.92	K	Joback Method
tf	651.68	K	Joback Method
vc	0.718	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	685.05	J/mol×K	880.42	Joback Method
cpg	699.12	J/mol×K	920.50	Joback Method
cpg	712.90	J/mol×K	960.59	Joback Method
cpg	726.58	J/mol×K	1000.67	Joback Method
cpg	740.38	J/mol×K	1040.76	Joback Method
cpg	754.49	J/mol×K	1080.84	Joback Method
cpg	769.11	J/mol×K	1120.92	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=C18653980&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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume