N,N-Bis(2-hydroxyethyl)-2-naphthylamine

Inchi: InChI=1S/C14H17NO2/c16-9-7-15(8-10-17)14-6-5-12-3-1-2-4-13(12)11-14/h1-6,11,16-17
InchiKey: UDSAFKFYWGEVMV-UHFFFAOYSA-N
Formula: C14H17NO2
SMILES: OCCN(CCO)c1ccc2ccccc2c1
Mol. weight [g/mol]: 231.29
CAS: 6270-13-9

Physical Properties

Property code	Value	Unit	Source
gf	113.57	kJ/mol	Joback Method
hf	-153.09	kJ/mol	Joback Method
hfus	33.88	kJ/mol	Joback Method
hvap	86.74	kJ/mol	Joback Method
log10ws	-2.55		Crippen Method
logp	1.631		Crippen Method
mcvol	186.620	ml/mol	McGowan Method
pc	3022.28	kPa	Joback Method
tb	767.16	K	Joback Method
tc	962.82	K	Joback Method
tf	473.29	K	Joback Method
vc	0.690	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	537.59	J/mol×K	767.16	Joback Method
cpg	548.66	J/mol×K	799.77	Joback Method
cpg	559.07	J/mol×K	832.38	Joback Method
cpg	568.90	J/mol×K	864.99	Joback Method
cpg	578.19	J/mol×K	897.60	Joback Method
cpg	587.02	J/mol×K	930.21	Joback Method
cpg	595.44	J/mol×K	962.82	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=C6270139&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