Benzylamine, 4,4'-oxybis(n,n-diethyl-

Inchi: InChI=1S/C22H32N2O/c1-5-23(6-2)17-19-9-13-21(14-10-19)25-22-15-11-20(12-16-22)18
InchiKey: KJZBIXNLDJXDTP-UHFFFAOYSA-N
Formula: C22H32N2O
SMILES: CCN(CC)Cc1ccc(Oc2ccc(CN(CC)CC)cc2)cc1
Mol. weight [g/mol]: 340.50
CAS: 17688-82-3

Physical Properties

Property code	Value	Unit	Source
gf	456.48	kJ/mol	Joback Method
hf	-44.45	kJ/mol	Joback Method
hfus	47.27	kJ/mol	Joback Method
hvap	76.94	kJ/mol	Joback Method
log10ws	-5.35		Crippen Method
logp	5.162		Crippen Method
mcvol	299.150	ml/mol	McGowan Method
pc	1352.64	kPa	Joback Method
tb	813.38	K	Joback Method
tc	1020.04	K	Joback Method
tf	502.75	K	Joback Method
vc	1.105	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	918.01	J/mol×K	813.38	Joback Method
cpg	936.79	J/mol×K	847.82	Joback Method
cpg	954.32	J/mol×K	882.27	Joback Method
cpg	970.67	J/mol×K	916.71	Joback Method
cpg	985.91	J/mol×K	951.15	Joback Method
cpg	1000.11	J/mol×K	985.59	Joback Method
cpg	1013.33	J/mol×K	1020.04	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C17688823&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

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