Benzenamine, 4,4'-methylenebis[2-methoxy-

Other names: Methane, bis(4-amino-3-methoxyphenyl)-
4-(4-Amino-3-methoxybenzyl)-2-methoxyphenylamine
Inchi: InChI=1S/C15H18N2O2/c1-18-14-8-10(3-5-12(14)16)7-11-4-6-13(17)15(9-11)19-2/h3-6,8
InchiKey: LKHVCEWNPKEPBT-UHFFFAOYSA-N
Formula: C15H18N2O2
SMILES: COc1cc(Cc2ccc(N)c(OC)c2)ccc1N
Mol. weight [g/mol]: 258.32
CAS: 1223-20-7

Physical Properties

Property code	Value	Unit	Source
gf	184.62	kJ/mol	Joback Method
hf	-122.61	kJ/mol	Joback Method
hfus	33.90	kJ/mol	Joback Method
hvap	82.29	kJ/mol	Joback Method
log10ws	-3.08		Crippen Method
logp	2.459		Crippen Method
mcvol	206.390	ml/mol	McGowan Method
pc	2561.10	kPa	Joback Method
tb	805.78	K	Joback Method
tc	1047.56	K	Joback Method
tf	572.71	K	Joback Method
vc	0.753	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	596.22	J/mol×K	805.78	Joback Method
cpg	610.27	J/mol×K	846.08	Joback Method
cpg	623.11	J/mol×K	886.37	Joback Method
cpg	634.76	J/mol×K	926.67	Joback Method
cpg	645.22	J/mol×K	966.97	Joback Method
cpg	654.51	J/mol×K	1007.27	Joback Method
cpg	662.64	J/mol×K	1047.56	Joback Method

Sources

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
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C1223207&Units=SI

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