4,4'-Dimethoxydiphenylamine

Other names:	Bis(p-anisyl)amine
	Benzenamine, 4-methoxy-N-(4-methoxyphenyl)-
	4-Biphenylamine, 4,4'-dimethoxy-
	Bis(p-methoxyphenyl)amine
	Bis(4-methoxyphenyl)amine
	Di-p-anisylamine
	p,p'-Dimethoxydiphenylamine
	Di-p-methoxyphenylamine
	Termofleks A
	Di-(4-methoxy phenyl) amine
	4-Methoxy-N-(4-methoxyphenyl)benzenamine
	N-(p-Methoxyphenyl)-p-anisidine
	N,N-Bis(4-methoxyphenyl)amine
	N-(4-methoxyphenyl)-p-anisidine
Inchi:	InChI=1S/C14H15NO2/c1-16-13-7-3-11(4-8-13)15-12-5-9-14(17-2)10-6-12/h3-10,15H,1-
InchiKey:	VCOONNWIINSFBA-UHFFFAOYSA-N
Formula:	C14H15NO2
SMILES:	COc1ccc(Nc2ccc(OC)cc2)cc1
Mol. weight [g/mol]:	229.27
CAS:	101-70-2

Physical Properties

Property code	Value	Unit	Source
gf	151.95	kJ/mol	Joback Method
hf	-93.14	kJ/mol	Joback Method
hfus	26.80	kJ/mol	Joback Method
hvap	63.89	kJ/mol	Joback Method
log10ws	-3.52		Crippen Method
logp	3.447		Crippen Method
mcvol	182.320	ml/mol	McGowan Method
pc	2627.15	kPa	Joback Method
tb	678.05	K	Joback Method
tc	910.42	K	Joback Method
tf	422.54	K	Joback Method
vc	0.674	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	474.82	J/mol×K	678.05	Joback Method
cpg	490.45	J/mol×K	716.78	Joback Method
cpg	504.97	J/mol×K	755.51	Joback Method
cpg	518.40	J/mol×K	794.23	Joback Method
cpg	530.77	J/mol×K	832.96	Joback Method
cpg	542.09	J/mol×K	871.69	Joback Method
cpg	552.38	J/mol×K	910.42	Joback Method

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C101702&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