Benzenamine, 4-methoxy-N-methyl-

Other names:	p-Anisidine, N-methyl-
	p-Methoxy-N-methylaniline
	N-Methyl-p-anisidine
	N-Methyl-4-methoxyaniline
	4-Methoxy-N-methylaniline
	4-Methoxy-N-methylbenzenamine
	N-Methyl-p-ansidine
	1-Methylamino-4-methoxybenzene
	N-methyl-4-anisidine
Inchi:	InChI=1S/C8H11NO/c1-9-7-3-5-8(10-2)6-4-7/h3-6,9H,1-2H3
InchiKey:	JFXDIXYFXDOZIT-UHFFFAOYSA-N
Formula:	C8H11NO
SMILES:	CNc1ccc(OC)cc1
Mol. weight [g/mol]:	137.18
CAS:	5961-59-1

Physical Properties

Property code	Value	Unit	Source
gf	103.65	kJ/mol	Joback Method
hf	-62.14	kJ/mol	Joback Method
hfus	16.42	kJ/mol	Joback Method
hvap	45.19	kJ/mol	Joback Method
log10ws	-1.60		Crippen Method
logp	1.737		Crippen Method
mcvol	115.670	ml/mol	McGowan Method
pc	3568.53	kPa	Joback Method
tb	486.69	K	Joback Method
tc	698.59	K	Joback Method
tf	293.75	K	Joback Method
vc	0.428	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source

cpg	241.49	J/mol×K	486.69	Joback Method
cpg	253.97	J/mol×K	522.01	Joback Method
cpg	265.82	J/mol×K	557.32	Joback Method
cpg	277.06	J/mol×K	592.64	Joback Method
cpg	287.70	J/mol×K	627.96	Joback Method
cpg	297.75	J/mol×K	663.27	Joback Method
cpg	307.22	J/mol×K	698.59	Joback Method

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	408.70	K	2.50	NIST Webbook

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=C5961591&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
tbrp: Boiling point at reduced pressure
tc: Critical Temperature

tf: Normal melting (fusion) point

vc: Critical Volume