N-methyl-o-methoxybenzylamine

Other names:	Benzenemethanamine, 2-methoxy-N-methyl- 2-Methoxy-N-methylbenzenemethanamine
Inchi:	InChI=1S/C9H13NO/c1-10-7-8-5-3-4-6-9(8)11-2/h3-6,10H,7H2,1-2H3
InchiKey:	JCCQJCOMFAJJCQ-UHFFFAOYSA-N
Formula:	C9H13NO
SMILES:	CNCc1ccccc1OC
Mol. weight [g/mol]:	151.21
CAS:	6851-80-5

Physical Properties

Property code	Value	Unit	Source
gf	112.07	kJ/mol	Joback Method
hf	-82.78	kJ/mol	Joback Method
hfus	19.00	kJ/mol	Joback Method
hvap	47.41	kJ/mol	Joback Method
log10ws	-2.08		Crippen Method
logp	1.415		Crippen Method
mcvol	129.760	ml/mol	McGowan Method
pc	3191.93	kPa	Joback Method
tb	509.57	K	Joback Method
tc	718.29	K	Joback Method
tf	305.02	K	Joback Method
vc	0.484	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	284.60	J/mol×K	509.57	Joback Method
cpg	298.15	J/mol×K	544.36	Joback Method
cpg	311.02	J/mol×K	579.14	Joback Method
cpg	323.21	J/mol×K	613.93	Joback Method
cpg	334.76	J/mol×K	648.72	Joback Method
cpg	345.65	J/mol×K	683.51	Joback Method
cpg	355.92	J/mol×K	718.29	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C6851805&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