

# 2-Methoxy-6-methylaniline

<b>Inchi:</b>	InChI=1S/C8H11NO/c1-6-4-3-5-7(10-2)8(6)9/h3-5H,9H2,1-2H3
<b>InchiKey:</b>	HKOJYPPTIPJZAZ-UHFFFAOYSA-N
<b>Formula:</b>	C8H11NO
<b>SMILES:</b>	COc1cccc(C)c1N
<b>Mol. weight [g/mol]:</b>	137.18
<b>CAS:</b>	50868-73-0

## Physical Properties

Property code	Value	Unit	Source
gf	71.08	kJ/mol	Joback Method
hf	-93.29	kJ/mol	Joback Method
hfus	16.12	kJ/mol	Joback Method
hvap	50.05	kJ/mol	Joback Method
log10ws	-1.70		Crippen Method
logp	1.586		Crippen Method
mcvol	115.670	ml/mol	McGowan Method
pc	3695.46	kPa	Joback Method
ripol	1969.00		NIST Webbook
ripol	1969.00		NIST Webbook
tb	514.03	K	Joback Method
tc	737.17	K	Joback Method
tf	336.87	K	Joback Method
vc	0.422	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	251.04	J/molxK	514.03	Joback Method
cpg	263.00	J/molxK	551.22	Joback Method
cpg	274.37	J/molxK	588.41	Joback Method
cpg	285.14	J/molxK	625.60	Joback Method
cpg	295.33	J/molxK	662.79	Joback Method
cpg	304.95	J/molxK	699.98	Joback Method
cpg	313.99	J/molxK	737.17	Joback Method

# Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C50868730&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C50868730&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>Joback Method:</b>	<a href="https://en.wikipedia.org/wiki/Joback_method">https://en.wikipedia.org/wiki/Joback_method</a>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>

# Legend

<b>cpg:</b>	Ideal gas heat capacity
<b>gf:</b>	Standard Gibbs free energy of formation
<b>hf:</b>	Enthalpy of formation at standard conditions
<b>hfus:</b>	Enthalpy of fusion at standard conditions
<b>hvp:</b>	Enthalpy of vaporization at standard conditions
<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>ripl:</b>	Polar retention indices
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature
<b>tf:</b>	Normal melting (fusion) point
<b>vc:</b>	Critical Volume

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