

# p-Cresidine

Other names:	Benzenamine, 2-methoxy-5-methyl- 1-Amino-2-methoxy-5-methylbenzene 3-Amino-4-methoxytoluene o-Anisidine, 5-methyl- Cresidine Krezidin 2-Methoxy-5-methylaniline 4-Methyl-2-aminoanisole 5-Methyl-o-anisidine 2-Amino-p-cresol methyl ether NCI-C02982 2-Amino-4-methylanisole 2-Methoxy-5-methylbenzenamine 3-Amino-p-cresol methyl ether 4-Methoxy-m-toluidine m-Amino-p-cresol, methyl ester Azoic Red 36 C.I. Azoic Red 83 p-Kresidin Krezidine NSC 406904 6-methoxy-m-toluidine
Inchi:	InChI=1S/C8H11NO/c1-6-3-4-8(10-2)7(9)5-6/h3-5H,9H2,1-2H3
InchiKey:	WXWCDTXEKCVRRO-UHFFFAOYSA-N
Formula:	C8H11NO
SMILES:	COc1ccc(C)cc1N
Mol. weight [g/mol]:	137.18
CAS:	120-71-8

## 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
rinpol	1234.00		NIST Webbook
rinpol	1234.00		NIST Webbook
tb	508.20	K	NIST Webbook
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

Crippen Method:	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</a>
Crippen Method:	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
Joback Method:	<a href="https://en.wikipedia.org/wiki/Joback_method">https://en.wikipedia.org/wiki/Joback_method</a>
McGowan Method:	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>
NIST Webbook:	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C120718&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C120718&amp;Units=SI</a>

## 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

<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>rinpol:</b>	Non-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

Latest version available from:

<https://www.chemeo.com/cid/67-500-2/p-Cresidine.pdf>

Generated by Cheméo on 2024-04-29 01:10:41.618917464 +0000 UTC m=+16642290.539494775.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.