

# Benzenamine, 2,3,5,6-tetrachloro-

<b>Other names:</b>	Aniline, 2,3,5,6-tetrachloro- 2,3,5,6-Tetrachloroaniline
<b>Inchi:</b>	InChI=1S/C6H3Cl4N/c7-2-1-3(8)5(10)6(11)4(2)9/h1H,11H2
<b>InchiKey:</b>	YTDHEFNWWHSXSU-UHFFFAOYSA-N
<b>Formula:</b>	C6H3Cl4N
<b>SMILES:</b>	<chem>Nc1c(Cl)c(Cl)cc(Cl)c1Cl</chem>
<b>Mol. weight [g/mol]:</b>	230.91
<b>CAS:</b>	3481-20-7

## Physical Properties

Property code	Value	Unit	Source
gf	92.26	kJ/mol	Joback Method
hf	-5.69	kJ/mol	Joback Method
hfus	25.77	kJ/mol	Joback Method
hsub	86.00 ± 2.00	kJ/mol	NIST Webbook
hvap	62.06	kJ/mol	Joback Method
log10ws	-3.85		Crippen Method
logp	3.882		Crippen Method
mcvol	130.580	ml/mol	McGowan Method
pc	3838.78	kPa	Joback Method
tb	605.53	K	Joback Method
tc	860.65	K	Joback Method
tf	436.82	K	Joback Method
vc	0.488	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	225.74	J/molxK	605.53	Joback Method
cpg	231.95	J/molxK	648.05	Joback Method
cpg	237.70	J/molxK	690.57	Joback Method
cpg	243.02	J/molxK	733.09	Joback Method
cpg	247.90	J/molxK	775.61	Joback Method
cpg	252.38	J/molxK	818.13	Joback Method

## Sources

<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>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C3481207&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C3481207&amp;Units=SI</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>hsub:</b>	Enthalpy of sublimation at standard conditions
<b>hvap:</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>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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