

# Naphthalene, 1,2,3,6-tetrachloro

<b>Inchi:</b>	InChI=1S/C10H4Cl4/c11-6-1-2-7-5(3-6)4-8(12)10(14)9(7)13/h1-4H
<b>InchiKey:</b>	ZVORWIZONZUEEI-UHFFFAOYSA-N
<b>Formula:</b>	C10H4Cl4
<b>SMILES:</b>	Clc1ccc2c(Cl)c(Cl)c(Cl)cc2c1
<b>Mol. weight [g/mol]:</b>	265.95

## Physical Properties

Property code	Value	Unit	Source
gf	166.14	kJ/mol	Joback Method
hf	69.03	kJ/mol	Joback Method
hfus	27.95	kJ/mol	Joback Method
hvap	61.96	kJ/mol	Joback Method
log10ws	-6.02		Crippen Method
logp	5.453		Crippen Method
mcvol	157.500	ml/mol	McGowan Method
pc	3052.41	kPa	Joback Method
rinpol	2006.00		NIST Webbook
rinpol	2006.00		NIST Webbook
rinpol	2006.00		NIST Webbook
tb	643.50	K	Joback Method
tc	902.29	K	Joback Method
tf	431.34	K	Joback Method
vc	0.606	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	294.67	J/molxK	643.50	Joback Method
cpg	303.01	J/molxK	686.63	Joback Method
cpg	310.64	J/molxK	729.76	Joback Method
cpg	317.64	J/molxK	772.89	Joback Method
cpg	324.07	J/molxK	816.03	Joback Method
cpg	330.01	J/molxK	859.16	Joback Method
cpg	335.52	J/molxK	902.29	Joback Method

dvisc	0.0011060	Paxs	431.34	Joback Method
dvisc	0.0008546	Paxs	466.70	Joback Method
dvisc	0.0006848	Paxs	502.06	Joback Method
dvisc	0.0005649	Paxs	537.42	Joback Method
dvisc	0.0004772	Paxs	572.78	Joback Method
dvisc	0.0004112	Paxs	608.14	Joback Method
dvisc	0.0003601	Paxs	643.50	Joback Method

## Sources

<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=R128540&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R128540&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>

## Legend

<b>cpg:</b>	Ideal gas heat capacity
<b>dvisc:</b>	Dynamic viscosity
<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>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>mvol:</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

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