

# Naphthalene, 1,3,6,8-tetrachloro

<b>Inchi:</b>	InChI=1S/C10H4Cl4/c11-6-1-5-2-7(12)4-9(14)10(5)8(13)3-6/h1-4H
<b>InchiKey:</b>	XXWQPOHDPJIYIN-UHFFFAOYSA-N
<b>Formula:</b>	C10H4Cl4
<b>SMILES:</b>	Clc1cc(Cl)c2c(Cl)cc(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	1993.00		NIST Webbook
rinpol	1993.00		NIST Webbook
tb	643.50	K	Joback Method
tc	902.29	K	Joback Method
tf	431.34	K	Joback Method
vc	0.606	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	294.67	J/mol×K	643.50	Joback Method
cpg	303.01	J/mol×K	686.63	Joback Method
cpg	310.64	J/mol×K	729.76	Joback Method
cpg	317.64	J/mol×K	772.89	Joback Method
cpg	324.07	J/mol×K	816.03	Joback Method
cpg	330.01	J/mol×K	859.16	Joback Method
cpg	335.52	J/mol×K	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>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=R128857&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R128857&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>

## Legend

<b>cp<sub>g</sub>:</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>log<sub>10</sub>ws:</b>	Log <sub>10</sub> of Water solubility in mol/l
<b>log<sub>p</sub>:</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

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