

# Hydrazine, (2,4,6-trichlorophenyl)-

<b>Other names:</b>	(2,4,6-Trichlorophenyl)hydrazine
<b>Inchi:</b>	InChI=1S/C6H5Cl3N2/c7-3-1-4(8)6(11-10)5(9)2-3/h1-2,11H,10H2
<b>InchiKey:</b>	MULHANRBCQBHII-UHFFFAOYSA-N
<b>Formula:</b>	C6H5Cl3N2
<b>SMILES:</b>	NNc1c(Cl)cc(Cl)cc1Cl
<b>Mol. weight [g/mol]:</b>	211.48
<b>CAS:</b>	5329-12-4

## Physical Properties

Property code	Value	Unit	Source
gf	203.21	kJ/mol	Joback Method
hf	74.99	kJ/mol	Joback Method
hfus	27.06	kJ/mol	Joback Method
hvap	63.44	kJ/mol	Joback Method
log10ws	-3.54		Crippen Method
logp	2.932		Crippen Method
mcvol	128.320	ml/mol	McGowan Method
pc	4167.71	kPa	Joback Method
rinpol	1654.00		NIST Webbook
rinpol	1654.00		NIST Webbook
rinpol	1654.00		NIST Webbook
tb	613.29	K	Joback Method
tc	861.25	K	Joback Method
tf	447.04	K	Joback Method
vc	0.474	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	247.83	J/molxK	613.29	Joback Method
cpg	255.44	J/molxK	654.62	Joback Method
cpg	262.48	J/molxK	695.94	Joback Method
cpg	268.96	J/molxK	737.27	Joback Method
cpg	274.92	J/molxK	778.60	Joback Method

cpg	280.37	J/mol×K	819.93	Joback Method
cpg	285.35	J/mol×K	861.25	Joback Method

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C5329124&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C5329124&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>hvac:</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>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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