

# Hydrazine, (2,5-dichlorophenyl)-

<b>Other names:</b>	(2,5-Dichlorophenyl)hydrazine
<b>Inchi:</b>	InChI=1S/C6H6Cl2N2/c7-4-1-2-5(8)6(3-4)10-9/h1-3,10H,9H2
<b>InchiKey:</b>	LZKWWERBNXLGLI-UHFFFAOYSA-N
<b>Formula:</b>	C6H6Cl2N2
<b>SMILES:</b>	NNc1cc(Cl)ccc1Cl
<b>Mol. weight [g/mol]:</b>	177.03
<b>CAS:</b>	305-15-7

## Physical Properties

Property code	Value	Unit	Source
gf	224.77	kJ/mol	Joback Method
hf	102.20	kJ/mol	Joback Method
hfus	23.25	kJ/mol	Joback Method
hvap	58.40	kJ/mol	Joback Method
log10ws	-2.86		Crippen Method
logp	2.279		Crippen Method
mcvol	116.080	ml/mol	McGowan Method
pc	4462.28	kPa	Joback Method
tb	570.88	K	Joback Method
tc	814.30	K	Joback Method
tf	404.60	K	Joback Method
vc	0.425	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	230.05	J/molxK	570.88	Joback Method
cpg	238.71	J/molxK	611.45	Joback Method
cpg	246.73	J/molxK	652.02	Joback Method
cpg	254.15	J/molxK	692.59	Joback Method
cpg	260.98	J/molxK	733.16	Joback Method
cpg	267.27	J/molxK	773.73	Joback Method
cpg	273.04	J/molxK	814.30	Joback Method

# Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C305157&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C305157&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>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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