

# 2,4-dichlorohexane, threo

<b>Other names:</b>	2,4-dichlorohexane, erythro
<b>Inchi:</b>	InChI=1S/C6H12Cl2/c1-3-6(8)4-5(2)7/h5-6H,3-4H2,1-2H3
<b>InchiKey:</b>	LHEKJUGTNGWYIA-UHFFFAOYSA-N
<b>Formula:</b>	C6H12Cl2
<b>SMILES:</b>	CCC(Cl)CC(C)Cl
<b>Mol. weight [g/mol]:</b>	155.06

## Physical Properties

Property code	Value	Unit	Source
gf	-29.10	kJ/mol	Joback Method
hf	-209.21	kJ/mol	Joback Method
hfus	12.64	kJ/mol	Joback Method
hvap	36.94	kJ/mol	Joback Method
log10ws	-2.86		Crippen Method
logp	3.021		Crippen Method
mcpol	119.880	ml/mol	McGowan Method
pc	2915.53	kPa	Joback Method
rinpol	985.00		NIST Webbook
rinpol	964.00		NIST Webbook
rinpol	964.00		NIST Webbook
tb	410.66	K	Joback Method
tc	599.28	K	Joback Method
tf	187.22	K	Joback Method
vc	0.458	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	212.29	J/molxK	410.66	Joback Method
cpg	223.08	J/molxK	442.10	Joback Method
cpg	233.37	J/molxK	473.53	Joback Method
cpg	243.19	J/molxK	504.97	Joback Method
cpg	252.55	J/molxK	536.41	Joback Method
cpg	261.47	J/molxK	567.84	Joback Method

cpg	269.95	J/molxK	599.28	Joback Method
dvisc	0.0130601	Paxs	187.22	Joback Method
dvisc	0.0041501	Paxs	224.46	Joback Method
dvisc	0.0018276	Paxs	261.70	Joback Method
dvisc	0.0009873	Paxs	298.94	Joback Method
dvisc	0.0006113	Paxs	336.18	Joback Method
dvisc	0.0004165	Paxs	373.42	Joback Method
dvisc	0.0003042	Paxs	410.66	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=R150517&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R150517&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>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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