

# 2-endo,3-exo,5-endo,6-exo,8,8,10-heptachlorobornane

**Inchi:** InChI=1S/C10H11Cl7/c1-9(2-11)3-4(12)6(14)10(9,8(16)17)7(15)5(3)13/h3-8H,2H2,1H3/t  
**InchiKey:** PKQOGOGKZSQLRE-KGWZEDDPSA-N  
**Formula:** C10H11Cl7  
**SMILES:** CC1(CCl)C2C(Cl)C(Cl)C1(C(Cl)Cl)C(Cl)C2Cl  
**Mol. weight [g/mol]:** 379.37

## Physical Properties

Property code	Value	Unit	Source
gf	7.24	kJ/mol	Joback Method
hf	-296.97	kJ/mol	Joback Method
hfus	34.44	kJ/mol	Joback Method
hvap	64.31	kJ/mol	Joback Method
log10ws	-5.20		Crippen Method
logp	5.095		Crippen Method
mvol	215.720	ml/mol	McGowan Method
pc	2030.89	kPa	Joback Method
rinpol	2072.60		NIST Webbook
rinpol	2072.60		NIST Webbook
tb	684.65	K	Joback Method
tc	934.56	K	Joback Method
tf	455.86	K	Joback Method
vc	0.830	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	493.55	J/mol×K	684.65	Joback Method
cpg	507.24	J/mol×K	726.30	Joback Method
cpg	520.52	J/mol×K	767.95	Joback Method
cpg	533.73	J/mol×K	809.61	Joback Method
cpg	547.22	J/mol×K	851.26	Joback Method
cpg	561.33	J/mol×K	892.91	Joback Method
cpg	576.41	J/mol×K	934.56	Joback Method

# Sources

<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=R502488&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R502488&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</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>rinpola:</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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