

# 4-methyl-hexyl-cyclopropane

Inchi:	InChI=1S/C10H20/c1-3-9(2)5-4-6-10-7-8-10/h9-10H,3-8H2,1-2H3
InchiKey:	FGHDLIXXPJKUEY-UHFFFAOYSA-N
Formula:	C10H20
SMILES:	CCC(C)CCCC1CC1
Mol. weight [g/mol]:	140.27

## Physical Properties

Property code	Value	Unit	Source
gf	91.63	kJ/mol	Joback Method
hf	-182.21	kJ/mol	Joback Method
hfus	16.27	kJ/mol	Joback Method
hvap	37.38	kJ/mol	Joback Method
log10ws	-3.42		Crippen Method
logp	3.613		Crippen Method
mcvol	140.900	ml/mol	McGowan Method
pc	2402.92	kPa	Joback Method
rinpol	982.65		NIST Webbook
rinpol	982.74		NIST Webbook
rinpol	980.53		NIST Webbook
rinpol	987.43		NIST Webbook
rinpol	985.11		NIST Webbook
rinpol	982.65		NIST Webbook
tb	434.50	K	Joback Method
tc	613.84	K	Joback Method
tf	205.40	K	Joback Method
vc	0.546	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	301.01	J/molxK	434.50	Joback Method
cpg	317.97	J/molxK	464.39	Joback Method
cpg	334.12	J/molxK	494.28	Joback Method
cpg	349.48	J/molxK	524.17	Joback Method

cpg	364.10	J/molxK	554.06	Joback Method
cpg	378.01	J/molxK	583.95	Joback Method
cpg	391.23	J/molxK	613.84	Joback Method
dvisc	0.0027890	Paxs	205.40	Joback Method
dvisc	0.0015449	Paxs	243.58	Joback Method
dvisc	0.0010044	Paxs	281.77	Joback Method
dvisc	0.0007236	Paxs	319.95	Joback Method
dvisc	0.0005591	Paxs	358.13	Joback Method
dvisc	0.0004540	Paxs	396.32	Joback Method
dvisc	0.0003824	Paxs	434.50	Joback Method

## Sources

<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307I">http://pubs.acs.org/doi/abs/10.1021/ci990307I</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>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=R136833&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R136833&amp;Units=SI</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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