

# cis-(2,3,3a,7a-Tetrahydro-1H-indene-4-yl) methanol

Inchi:	InChI=1S/C10H14O/c11-7-9-5-1-3-8-4-2-6-10(8)9/h1,3,5,8,10-11H,2,4,6-7H2/t8-,10+/m1
InchiKey:	ZNALYRSQJJGLPK-SCZZXKLOSA-N
Formula:	C10H14O
SMILES:	OCC1=CC=CC2CCCC12
Mol. weight [g/mol]:	150.22

## Physical Properties

Property code	Value	Unit	Source
gf	31.99	kJ/mol	Joback Method
hf	-170.75	kJ/mol	Joback Method
hfus	17.77	kJ/mol	Joback Method
hvap	56.12	kJ/mol	Joback Method
log10ws	-2.29		Crippen Method
logp	1.891		Crippen Method
mcvol	127.310	ml/mol	McGowan Method
pc	3484.76	kPa	Joback Method
ripol	1311.00		NIST Webbook
ripol	2134.00		NIST Webbook
tb	549.97	K	Joback Method
tc	754.34	K	Joback Method
tf	302.64	K	Joback Method
vc	0.476	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	317.45	J/molxK	549.97	Joback Method
cpg	382.24	J/molxK	720.28	Joback Method
cpg	370.90	J/molxK	686.22	Joback Method
cpg	358.80	J/molxK	652.16	Joback Method
cpg	345.89	J/molxK	618.09	Joback Method
cpg	332.12	J/molxK	584.03	Joback Method
cpg	392.87	J/molxK	754.34	Joback Method
dvisc	0.0002530	Paxs	549.97	Joback Method

dvisc	0.0003570	Paxs	508.75	Joback Method
dvisc	0.0005353	Paxs	467.53	Joback Method
dvisc	0.0008681	Paxs	426.31	Joback Method
dvisc	0.0015611	Paxs	385.08	Joback Method
dvisc	0.0032317	Paxs	343.86	Joback Method
dvisc	0.0081567	Paxs	302.64	Joback Method

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=R586713&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R586713&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>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>ripol:</b>	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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