

# Bicyclo[3.1.1]heptan-3-ol, 6,6-dimethyl-2-methylene-, [1S-(1«alpha»,3«alpha»,5«alpha»)]-

Other names: (1S,3R,5S)-6,6-Dimethyl-2-methylenebicyclo[3.1.1]heptan-3-ol  
2(10)-Pinen-3-ol, (1S,3R,5S)-(-)-

L-trans-Pinocarveol

L-Pinocarveol

trans-(-)-Pinocarveol

Pinocarveol, trans-(-)-

6,6-Dimethyl-2-methylenebicyclo[3.1.1]heptan-3-ol-,

[1S-(1«alpha»,3«alpha»,5«alpha»)]-

(-)-trans-Pinocarveol

(E)-Pinocarveol, (-)-

trans-Pinocarveol

(E)-Pinocarveol

trans-Pinocarveole

[1S-(1«alpha»,3«alpha»,5«alpha»)]-6,6-dimethyl-2-methylenebicyclo[3.1.1]heptan-3-ol

**Inchi:** InChI=1S/C10H16O/c1-6-8-4-7(5-9(6)11)10(8,2)3/h7-9,11H,1,4-5H2,2-3H3/t7?,8?,9-/m0

**InchiKey:** LCYXQUJDODZYIJ-HACHORDNSA-N

**Formula:** C10H16O

**SMILES:** C=C1C(O)CC2CC1C2(C)C

**Mol. weight [g/mol]:** 152.23

**CAS:** 547-61-5

## Physical Properties

Property code	Value	Unit	Source
gf	38.07	kJ/mol	Joback Method
hf	-203.72	kJ/mol	Joback Method
hfus	14.60	kJ/mol	Joback Method
hvap	52.92	kJ/mol	Joback Method
log10ws	-2.30		Crippen Method
logp	1.969		Crippen Method
mcvol	131.610	ml/mol	McGowan Method
pc	3076.16	kPa	Joback Method
rinpol	1137.00		NIST Webbook
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tb	528.19	K	Joback Method
tc	723.06	K	Joback Method
tf	324.74	K	Joback Method
vc	0.500	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	335.96	J/mol×K	528.19	Joback Method
cpg	350.83	J/mol×K	560.67	Joback Method
cpg	364.79	J/mol×K	593.15	Joback Method
cpg	377.93	J/mol×K	625.63	Joback Method
cpg	390.35	J/mol×K	658.11	Joback Method
cpg	402.17	J/mol×K	690.59	Joback Method
cpg	413.48	J/mol×K	723.06	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=C547615&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C547615&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>

# 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>hvac:</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>mccol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>ripol:</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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