

# cis-p-Mentha-1(7),8-dien-2-ol

<b>Other names:</b>	cis-p-Mentha-1(7),8-diene-2-ol cis-1(7),8-p-Menthadien-2-ol 2R,4R-p-Mentha-1(7),8-dien-2-ol cis-para-Mentha-1(7), 8-dien-2-ol cis-Mentha-1(7),8-dien-2-ol
<b>Inchi:</b>	InChI=1S/C10H16O/c1-7(2)9-5-4-8(3)10(11)6-9/h9-11H,1,3-6H2,2H3/t9-,10-/m0/s1
<b>InchiKey:</b>	PNVTXOFNJFHOK-UWVGGRQHSA-N
<b>Formula:</b>	C10H16O
<b>SMILES:</b>	<chem>C=C1CCC(C(=C)C)CC1O</chem>
<b>Mol. weight [g/mol]:</b>	152.23
<b>CAS:</b>	22626-43-3

## Physical Properties

Property code	Value	Unit	Source
gf	45.61	kJ/mol	Joback Method
hf	-168.10	kJ/mol	Joback Method
hfus	14.90	kJ/mol	Joback Method
hvap	54.22	kJ/mol	Joback Method
log10ws	-2.74		Crippen Method
logp	2.280		Crippen Method
mcvol	138.170	ml/mol	McGowan Method
pc	2928.17	kPa	Joback Method
rinpol	1198.00		NIST Webbook
rinpol	1205.00		NIST Webbook
rinpol	1198.00		NIST Webbook
rinpol	1231.00		NIST Webbook
rinpol	1206.00		NIST Webbook
rinpol	1235.00		NIST Webbook
rinpol	1204.00		NIST Webbook
rinpol	1231.00		NIST Webbook
rinpol	1204.00		NIST Webbook
rinpol	1231.00		NIST Webbook
ripol	1903.00		NIST Webbook
ripol	1896.00		NIST Webbook
ripol	1896.00		NIST Webbook
ripol	1885.00		NIST Webbook
ripol	1871.00		NIST Webbook

ripol	1896.00		NIST Webbook
ripol	1903.00		NIST Webbook
ripol	1903.00		NIST Webbook
ripol	1903.00		NIST Webbook
ripol	1903.00		NIST Webbook
ripol	1903.00		NIST Webbook
ripol	1903.00		NIST Webbook
ripol	1903.00		NIST Webbook
ripol	1896.00		NIST Webbook
ripol	1896.00		NIST Webbook
ripol	1896.00		NIST Webbook
ripol	1896.00		NIST Webbook
ripol	1888.00		NIST Webbook
tb	530.98	K	Joback Method
tc	725.43	K	Joback Method
tf	264.38	K	Joback Method
vc	0.512	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	331.07	J/mol×K	530.98	Joback Method
cpg	346.27	J/mol×K	563.39	Joback Method
cpg	360.71	J/mol×K	595.80	Joback Method
cpg	374.42	J/mol×K	628.21	Joback Method
cpg	387.41	J/mol×K	660.61	Joback Method
cpg	399.70	J/mol×K	693.02	Joback Method
cpg	411.31	J/mol×K	725.43	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=C22626433&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C22626433&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>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>rinpolar:</b>	Non-polar retention indices
<b>ripolar:</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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