

# p-Mentha-1,8-dien-7-ol

Other names:	Perilla alcohol
	1-Cyclohexene-1-methanol, 4-(1-methylethenyl)-
	Perillic alcohol
	Perillol
	Cyclohex-1-ene-1-methanol, 4-(1-methylethenyl)-
	4-Isopropenyl-cyclohex-1-ene-1-methanol
	(4-Isopropenyl-1-cyclohexen-1-yl)methanol
	1,8-p-Menthadien-7-ol
	Perillyl alcohol
	Isocarveol
	4-Isopropenyl-1-cyclohexene-methanol
	Perrilla alcohol
	dihydrocuminyl alcohol
	perill alcohol
	1-perillalcohol

Inchi:	InChI=1S/C10H16O/c1-8(2)10-5-3-9(7-11)4-6-10/h3,10-11H,1,4-7H2,2H3
InchiKey:	NDTYTMIUWGWIMO-UHFFFAOYSA-N
Formula:	C10H16O
SMILES:	C=C(C)C1CC=C(CO)CC1
Mol. weight [g/mol]:	152.23
CAS:	536-59-4

## Physical Properties

Property code	Value	Unit	Source
gf	20.57	kJ/mol	Joback Method
hf	-185.69	kJ/mol	Joback Method
hfus	15.82	kJ/mol	Joback Method
hvap	55.33	kJ/mol	Joback Method
log10ws	-2.63		Crippen Method
logp	2.281		Crippen Method
mcvol	138.170	ml/mol	McGowan Method
pc	3042.32	kPa	Joback Method
rinpol	1281.00		NIST Webbook
rinpol	1295.00		NIST Webbook
rinpol	1295.00		NIST Webbook
rinpol	1287.00		NIST Webbook

rinpol	1302.70	NIST Webbook
rinpol	1274.00	NIST Webbook
rinpol	1300.60	NIST Webbook
rinpol	1301.70	NIST Webbook
rinpol	1278.00	NIST Webbook
rinpol	1310.00	NIST Webbook
rinpol	1302.00	NIST Webbook
rinpol	1295.00	NIST Webbook
rinpol	1295.00	NIST Webbook
rinpol	1294.00	NIST Webbook
rinpol	1297.00	NIST Webbook
rinpol	1272.00	NIST Webbook
rinpol	1295.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1295.00	NIST Webbook
rinpol	1275.00	NIST Webbook
rinpol	1276.00	NIST Webbook
rinpol	1305.00	NIST Webbook
rinpol	1295.00	NIST Webbook
rinpol	1304.00	NIST Webbook
rinpol	1277.00	NIST Webbook
rinpol	1288.00	NIST Webbook
rinpol	1267.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1275.00	NIST Webbook
rinpol	1274.00	NIST Webbook
rinpol	1285.00	NIST Webbook
rinpol	1307.00	NIST Webbook
rinpol	1295.00	NIST Webbook
rinpol	1301.00	NIST Webbook
rinpol	1301.00	NIST Webbook
rinpol	1294.00	NIST Webbook
rinpol	1304.00	NIST Webbook
rinpol	1293.00	NIST Webbook
rinpol	1296.00	NIST Webbook
rinpol	1295.00	NIST Webbook
rinpol	1275.00	NIST Webbook
rinpol	1297.00	NIST Webbook
rinpol	1275.00	NIST Webbook
rinpol	1276.00	NIST Webbook
rinpol	1287.00	NIST Webbook
rinpol	1286.00	NIST Webbook
rinpol	1280.00	NIST Webbook
rinpol	1286.00	NIST Webbook

rinpol	1287.00	NIST Webbook
rinpol	1296.00	NIST Webbook
rinpol	1295.00	NIST Webbook
rinpol	1297.00	NIST Webbook
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rinpol	1282.00	NIST Webbook
rinpol	1284.00	NIST Webbook
rinpol	1301.00	NIST Webbook
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rinpol	1277.00	NIST Webbook
rinpol	1284.00	NIST Webbook
rinpol	1280.00	NIST Webbook
rinpol	1295.00	NIST Webbook
rinpol	1303.00	NIST Webbook
rinpol	1281.00	NIST Webbook
rinpol	1293.00	NIST Webbook
rinpol	1295.00	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1293.00	NIST Webbook
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rinpol	1279.00	NIST Webbook
rinpol	1300.00	NIST Webbook
rinpol	1297.00	NIST Webbook
rinpol	1297.00	NIST Webbook
rinpol	1313.00	NIST Webbook
ripol	2021.00	NIST Webbook
ripol	1988.00	NIST Webbook
ripol	1965.00	NIST Webbook
ripol	1962.00	NIST Webbook
ripol	2021.00	NIST Webbook
ripol	1991.00	NIST Webbook
ripol	2014.00	NIST Webbook
ripol	1970.00	NIST Webbook
ripol	2004.00	NIST Webbook
ripol	2003.00	NIST Webbook
ripol	2021.00	NIST Webbook
ripol	2040.00	NIST Webbook
ripol	2029.00	NIST Webbook
ripol	2001.00	NIST Webbook
ripol	1987.00	NIST Webbook

ripol	1985.00		NIST Webbook
ripol	2003.00		NIST Webbook
ripol	1959.00		NIST Webbook
ripol	2001.00		NIST Webbook
ripol	2029.00		NIST Webbook
ripol	2029.00		NIST Webbook
ripol	2029.00		NIST Webbook
ripol	2009.00		NIST Webbook
ripol	2029.00		NIST Webbook
ripol	2029.00		NIST Webbook
ripol	2029.00		NIST Webbook
ripol	2029.00		NIST Webbook
ripol	2029.00		NIST Webbook
ripol	2004.00		NIST Webbook
ripol	2029.00		NIST Webbook
ripol	2029.00		NIST Webbook
ripol	2025.00		NIST Webbook
ripol	2025.00		NIST Webbook
ripol	2025.00		NIST Webbook
ripol	2005.00		NIST Webbook
ripol	2016.00		NIST Webbook
ripol	1993.00		NIST Webbook
ripol	1986.00		NIST Webbook
ripol	2029.00		NIST Webbook
ripol	1999.00		NIST Webbook
ripol	2025.00		NIST Webbook
tb	540.63	K	Joback Method
tc	736.52	K	Joback Method
tf	268.22	K	Joback Method
vc	0.515	m3/kmol	Joback Method

# Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	330.83	J/molxK	540.63	Joback Method
cpg	345.48	J/molxK	573.28	Joback Method
cpg	359.35	J/molxK	605.93	Joback Method
cpg	372.48	J/molxK	638.57	Joback Method
cpg	384.90	J/molxK	671.22	Joback Method
cpg	396.63	J/molxK	703.87	Joback Method
cpg	407.69	J/molxK	736.52	Joback Method

# Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	392.70	K	1.50	NIST Webbook

## Sources

NIST Webbook:	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C536594&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C536594&amp;Units=SI</a>
Crippen Method:	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</a>
Crippen Method:	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
Joback Method:	<a href="https://en.wikipedia.org/wiki/Joback_method">https://en.wikipedia.org/wiki/Joback_method</a>
McGowan Method:	<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>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>tbrp:</b>	Boiling point at reduced pressure
<b>tc:</b>	Critical Temperature
<b>tf:</b>	Normal melting (fusion) point
<b>vc:</b>	Critical Volume

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