

Bicyclo[3.1.1]hept-2-ene-2-methanol, 6,6-dimethyl-

Other names:	2-Pinen-10-ol Myrtenol 6,6-dimethyl-2-oxymethylbicyclo[1.1.3]-hept-2-ene (myrtenol) 6,6-Dimethyl-bicyclo[3,1,1]hept-2-ene-2-methanol Myrtenol («alpha»-pinene-10-ol) (-)-pin-2-ene-10-ol
Inchi:	InChI=1S/C10H16O/c1-10(2)8-4-3-7(6-11)9(10)5-8/h3,8-9,11H,4-6H2,1-2H3
InchiKey:	RXBQNMWIKOSCS-UHFFFAOYSA-N
Formula:	C10H16O
SMILES:	CC1(C)C2CC=C(CO)C1C2
Mol. weight [g/mol]:	152.23
CAS:	515-00-4

Physical Properties

Property code	Value	Unit	Source
gf	13.03	kJ/mol	Joback Method
hf	-221.31	kJ/mol	Joback Method
hfus	15.52	kJ/mol	Joback Method
hvap	54.02	kJ/mol	Joback Method
log10ws	-2.19		Crippen Method
logp	1.971		Crippen Method
mcvol	131.610	ml/mol	McGowan Method
pc	3199.16	kPa	Joback Method
rinpol	1198.00		NIST Webbook
rinpol	1177.00		NIST Webbook
rinpol	1192.00		NIST Webbook
rinpol	1191.00		NIST Webbook
rinpol	1168.00		NIST Webbook
rinpol	1187.00		NIST Webbook
rinpol	1187.00		NIST Webbook
rinpol	1168.00		NIST Webbook
rinpol	1183.00		NIST Webbook
rinpol	1180.00		NIST Webbook
rinpol	1201.00		NIST Webbook
rinpol	1194.00		NIST Webbook
rinpol	1194.00		NIST Webbook
rinpol	1190.00		NIST Webbook

rinpol	1194.00	NIST Webbook
rinpol	1196.00	NIST Webbook
rinpol	1196.00	NIST Webbook
rinpol	1168.00	NIST Webbook
rinpol	1198.00	NIST Webbook
rinpol	1178.00	NIST Webbook
rinpol	1189.00	NIST Webbook
rinpol	1194.00	NIST Webbook
rinpol	1196.00	NIST Webbook
rinpol	1188.00	NIST Webbook
rinpol	1193.00	NIST Webbook
rinpol	1198.00	NIST Webbook
rinpol	1196.00	NIST Webbook
rinpol	1196.00	NIST Webbook
rinpol	1196.00	NIST Webbook
rinpol	1196.00	NIST Webbook
rinpol	1208.00	NIST Webbook
rinpol	1168.00	NIST Webbook
rinpol	1194.00	NIST Webbook
rinpol	1196.00	NIST Webbook
rinpol	1198.00	NIST Webbook
rinpol	1199.00	NIST Webbook
rinpol	1168.00	NIST Webbook
rinpol	1196.00	NIST Webbook
rinpol	1168.00	NIST Webbook
rinpol	1207.00	NIST Webbook
rinpol	1196.00	NIST Webbook
rinpol	1168.00	NIST Webbook
rinpol	1196.00	NIST Webbook
rinpol	1201.00	NIST Webbook
rinpol	1195.00	NIST Webbook
rinpol	1199.00	NIST Webbook
rinpol	1191.00	NIST Webbook
rinpol	1196.00	NIST Webbook
rinpol	1214.00	NIST Webbook
rinpol	1189.00	NIST Webbook
rinpol	1202.00	NIST Webbook
rinpol	1196.00	NIST Webbook
rinpol	1197.00	NIST Webbook
rinpol	1208.00	NIST Webbook
rinpol	1182.00	NIST Webbook
rinpol	1201.00	NIST Webbook
rinpol	1168.00	NIST Webbook
rinpol	1176.00	NIST Webbook

rinpol	1189.00	NIST Webbook
rinpol	1177.00	NIST Webbook
rinpol	1180.00	NIST Webbook
rinpol	1191.00	NIST Webbook
rinpol	1176.00	NIST Webbook
rinpol	1194.00	NIST Webbook
rinpol	1207.00	NIST Webbook
rinpol	1206.00	NIST Webbook
rinpol	1191.00	NIST Webbook
rinpol	1171.00	NIST Webbook
rinpol	1193.00	NIST Webbook
rinpol	1183.00	NIST Webbook
rinpol	1194.00	NIST Webbook
rinpol	1184.00	NIST Webbook
rinpol	1150.00	NIST Webbook
rinpol	1185.00	NIST Webbook
rinpol	1195.00	NIST Webbook
rinpol	1194.00	NIST Webbook
rinpol	1184.00	NIST Webbook
rinpol	1195.00	NIST Webbook
rinpol	1196.00	NIST Webbook
rinpol	1194.00	NIST Webbook
rinpol	1171.00	NIST Webbook
rinpol	1171.00	NIST Webbook
rinpol	1198.00	NIST Webbook
rinpol	1189.00	NIST Webbook
rinpol	1201.00	NIST Webbook
rinpol	1194.00	NIST Webbook
rinpol	1194.00	NIST Webbook
rinpol	1193.00	NIST Webbook
rinpol	1194.00	NIST Webbook
rinpol	1216.00	NIST Webbook
rinpol	1183.00	NIST Webbook
rinpol	1194.00	NIST Webbook
rinpol	1179.00	NIST Webbook
rinpol	1178.00	NIST Webbook
rinpol	1194.00	NIST Webbook
rinpol	1195.00	NIST Webbook
rinpol	1194.00	NIST Webbook
rinpol	1181.00	NIST Webbook
rinpol	1197.00	NIST Webbook
rinpol	1194.00	NIST Webbook
rinpol	1179.00	NIST Webbook
rinpol	1194.00	NIST Webbook

rinpol	1224.00	NIST Webbook
rinpol	1203.00	NIST Webbook
rinpol	1195.00	NIST Webbook
rinpol	1191.00	NIST Webbook
rinpol	1187.00	NIST Webbook
rinpol	1179.00	NIST Webbook
rinpol	1185.00	NIST Webbook
rinpol	1185.00	NIST Webbook
rinpol	1199.00	NIST Webbook
rinpol	1180.00	NIST Webbook
rinpol	1212.00	NIST Webbook
rinpol	1195.00	NIST Webbook
rinpol	1203.00	NIST Webbook
rinpol	1181.00	NIST Webbook
rinpol	1192.00	NIST Webbook
rinpol	1165.00	NIST Webbook
rinpol	1182.00	NIST Webbook
rinpol	1197.00	NIST Webbook
rinpol	1216.00	NIST Webbook
rinpol	1193.00	NIST Webbook
rinpol	1194.00	NIST Webbook
rinpol	1200.00	NIST Webbook
rinpol	1195.00	NIST Webbook
rinpol	1200.00	NIST Webbook
rinpol	1196.00	NIST Webbook
rinpol	1202.00	NIST Webbook
rinpol	1202.00	NIST Webbook
rinpol	1172.00	NIST Webbook
rinpol	1195.00	NIST Webbook
rinpol	1197.00	NIST Webbook
rinpol	1195.00	NIST Webbook
rinpol	1182.00	NIST Webbook
rinpol	1194.00	NIST Webbook
rinpol	1194.00	NIST Webbook
rinpol	1193.00	NIST Webbook
rinpol	1175.00	NIST Webbook
rinpol	1194.00	NIST Webbook
rinpol	1198.00	NIST Webbook
rinpol	1184.00	NIST Webbook
rinpol	1186.00	NIST Webbook
rinpol	1185.80	NIST Webbook
rinpol	1195.00	NIST Webbook
rinpol	1191.00	NIST Webbook
rinpol	1177.00	NIST Webbook

rinpol	1178.00	NIST Webbook
rinpol	1191.00	NIST Webbook
rinpol	1191.00	NIST Webbook
rinpol	1191.00	NIST Webbook
rinpol	1198.00	NIST Webbook
rinpol	1189.00	NIST Webbook
rinpol	1193.00	NIST Webbook
rinpol	1182.00	NIST Webbook
rinpol	1189.00	NIST Webbook
rinpol	1179.00	NIST Webbook
rinpol	1184.00	NIST Webbook
rinpol	1194.00	NIST Webbook
rinpol	1178.00	NIST Webbook
rinpol	1195.00	NIST Webbook
rinpol	1170.00	NIST Webbook
rinpol	1171.00	NIST Webbook
rinpol	1194.00	NIST Webbook
rinpol	1191.00	NIST Webbook
rinpol	1194.00	NIST Webbook
rinpol	1191.00	NIST Webbook
rinpol	1191.00	NIST Webbook
rinpol	1194.00	NIST Webbook
rinpol	1201.00	NIST Webbook
rinpol	1191.00	NIST Webbook
rinpol	1185.00	NIST Webbook
rinpol	1193.00	NIST Webbook
rinpol	1184.00	NIST Webbook
rinpol	1190.00	NIST Webbook
rinpol	1152.00	NIST Webbook
rinpol	1191.00	NIST Webbook
rinpol	1189.00	NIST Webbook
rinpol	1193.00	NIST Webbook
rinpol	1185.00	NIST Webbook
rinpol	1187.00	NIST Webbook
rinpol	1195.00	NIST Webbook
rinpol	1206.00	NIST Webbook
rinpol	1194.00	NIST Webbook
rinpol	1198.00	NIST Webbook
rinpol	1191.00	NIST Webbook
rinpol	1204.00	NIST Webbook
rinpol	1193.00	NIST Webbook
rinpol	1196.00	NIST Webbook
rinpol	1174.00	NIST Webbook
rinpol	1237.00	NIST Webbook

rinpol	1202.00	NIST Webbook
rinpol	1192.00	NIST Webbook
rinpol	1195.00	NIST Webbook
rinpol	1202.90	NIST Webbook
rinpol	1193.00	NIST Webbook
rinpol	1176.00	NIST Webbook
rinpol	1177.00	NIST Webbook
rinpol	1196.00	NIST Webbook
rinpol	1196.00	NIST Webbook
rinpol	1194.00	NIST Webbook
rinpol	1194.00	NIST Webbook
rinpol	1180.00	NIST Webbook
rinpol	1176.00	NIST Webbook
rinpol	1196.00	NIST Webbook
rinpol	1194.00	NIST Webbook
rinpol	1194.00	NIST Webbook
rinpol	1195.00	NIST Webbook
rinpol	1181.00	NIST Webbook
rinpol	1168.00	NIST Webbook
rinpol	1178.00	NIST Webbook
rinpol	1199.40	NIST Webbook
rinpol	1201.30	NIST Webbook
rinpol	1202.10	NIST Webbook
rinpol	1191.00	NIST Webbook
rinpol	1176.00	NIST Webbook
rinpol	1177.00	NIST Webbook
rinpol	1195.00	NIST Webbook
rinpol	1179.00	NIST Webbook
rinpol	1194.00	NIST Webbook
rinpol	1193.00	NIST Webbook
rinpol	1194.00	NIST Webbook
rinpol	1203.00	NIST Webbook
rinpol	1173.00	NIST Webbook
rinpol	1195.00	NIST Webbook
rinpol	1194.00	NIST Webbook
rinpol	1198.00	NIST Webbook
rinpol	1173.00	NIST Webbook
rinpol	1176.00	NIST Webbook
rinpol	1179.00	NIST Webbook
rinpol	1197.00	NIST Webbook
rinpol	1202.00	NIST Webbook
rinpol	1194.00	NIST Webbook
rinpol	1194.00	NIST Webbook
rinpol	1196.00	NIST Webbook

rinpol	1196.00	NIST Webbook
rinpol	1196.00	NIST Webbook
rinpol	1160.00	NIST Webbook
rinpol	1194.00	NIST Webbook
rinpol	1199.00	NIST Webbook
rinpol	1182.00	NIST Webbook
rinpol	1181.00	NIST Webbook
rinpol	1194.00	NIST Webbook
rinpol	1204.00	NIST Webbook
rinpol	1196.00	NIST Webbook
rinpol	1194.00	NIST Webbook
rinpol	1194.00	NIST Webbook
rinpol	1196.00	NIST Webbook
rinpol	1195.00	NIST Webbook
rinpol	1182.00	NIST Webbook
rinpol	1177.00	NIST Webbook
rinpol	1190.00	NIST Webbook
rinpol	1183.00	NIST Webbook
rinpol	1174.00	NIST Webbook
rinpol	1179.00	NIST Webbook
rinpol	1192.00	NIST Webbook
rinpol	1183.00	NIST Webbook
rinpol	1185.00	NIST Webbook
rinpol	1194.00	NIST Webbook
rinpol	1242.00	NIST Webbook
rinpol	1214.00	NIST Webbook
rinpol	1218.00	NIST Webbook
rinpol	1181.00	NIST Webbook
rinpol	1206.00	NIST Webbook
rinpol	1206.00	NIST Webbook
rinpol	1178.00	NIST Webbook
rinpol	1194.00	NIST Webbook
rinpol	1207.00	NIST Webbook
rinpol	1182.00	NIST Webbook
rinpol	1191.00	NIST Webbook
rinpol	1209.00	NIST Webbook
rinpol	1200.00	NIST Webbook
rinpol	1202.00	NIST Webbook
rinpol	1192.00	NIST Webbook
rinpol	1201.00	NIST Webbook
rinpol	1176.00	NIST Webbook
rinpol	1178.00	NIST Webbook
rinpol	1206.00	NIST Webbook
rinpol	1195.00	NIST Webbook

rinpol	1194.00	NIST Webbook
rinpol	1194.00	NIST Webbook
rinpol	1196.00	NIST Webbook
rinpol	1191.00	NIST Webbook
rinpol	1194.00	NIST Webbook
rinpol	1196.00	NIST Webbook
rinpol	1190.00	NIST Webbook
rinpol	1197.00	NIST Webbook
rinpol	1170.00	NIST Webbook
rinpol	1198.00	NIST Webbook
rinpol	1176.00	NIST Webbook
rinpol	1200.00	NIST Webbook
rinpol	1197.00	NIST Webbook
rinpol	1170.00	NIST Webbook
rinpol	1196.00	NIST Webbook
rinpol	1192.00	NIST Webbook
rinpol	1196.00	NIST Webbook
rinpol	1195.10	NIST Webbook
rinpol	1169.00	NIST Webbook
rinpol	1170.00	NIST Webbook
rinpol	1176.00	NIST Webbook
rinpol	1198.00	NIST Webbook
rinpol	1194.00	NIST Webbook
rinpol	1177.00	NIST Webbook
rinpol	1200.00	NIST Webbook
rinpol	1188.00	NIST Webbook
rinpol	1181.00	NIST Webbook
rinpol	1181.00	NIST Webbook
rinpol	1180.00	NIST Webbook
rinpol	1198.00	NIST Webbook
rinpol	1194.00	NIST Webbook
rinpol	1176.00	NIST Webbook
ripol	1804.00	NIST Webbook
ripol	1767.00	NIST Webbook
ripol	1791.00	NIST Webbook
ripol	1774.00	NIST Webbook
ripol	1796.00	NIST Webbook
ripol	1784.00	NIST Webbook
ripol	1803.00	NIST Webbook
ripol	1805.00	NIST Webbook
ripol	1788.00	NIST Webbook
ripol	1808.00	NIST Webbook
ripol	1797.00	NIST Webbook
ripol	1808.00	NIST Webbook

ripol	1788.00	NIST Webbook
ripol	1784.00	NIST Webbook
ripol	1796.00	NIST Webbook
ripol	1788.00	NIST Webbook
ripol	1763.00	NIST Webbook
ripol	1807.00	NIST Webbook
ripol	1807.00	NIST Webbook
ripol	1807.00	NIST Webbook
ripol	1807.00	NIST Webbook
ripol	1807.00	NIST Webbook
ripol	1807.00	NIST Webbook
ripol	1807.00	NIST Webbook
ripol	1807.00	NIST Webbook
ripol	1808.00	NIST Webbook
ripol	1808.00	NIST Webbook
ripol	1782.00	NIST Webbook
ripol	1793.00	NIST Webbook
ripol	1794.00	NIST Webbook
ripol	1787.00	NIST Webbook
ripol	1804.00	NIST Webbook
ripol	1812.00	NIST Webbook
ripol	1812.00	NIST Webbook
ripol	1796.00	NIST Webbook
ripol	1784.00	NIST Webbook
ripol	1781.00	NIST Webbook
ripol	1804.00	NIST Webbook
ripol	1797.00	NIST Webbook
ripol	1749.00	NIST Webbook
ripol	1788.00	NIST Webbook
ripol	1831.00	NIST Webbook
ripol	1789.00	NIST Webbook
ripol	1776.00	NIST Webbook
ripol	1786.00	NIST Webbook
ripol	1796.00	NIST Webbook
ripol	1782.00	NIST Webbook
ripol	1782.00	NIST Webbook
ripol	1803.00	NIST Webbook
ripol	1796.00	NIST Webbook
ripol	1786.00	NIST Webbook
ripol	1792.00	NIST Webbook
ripol	1791.00	NIST Webbook
ripol	1788.00	NIST Webbook
ripol	1794.00	NIST Webbook
ripol	1786.00	NIST Webbook

ripol	1798.00		NIST Webbook
ripol	1801.00		NIST Webbook
ripol	1804.00		NIST Webbook
ripol	1772.00		NIST Webbook
ripol	1793.00		NIST Webbook
ripol	1763.00		NIST Webbook
ripol	1791.00		NIST Webbook
ripol	1781.00		NIST Webbook
ripol	1753.00		NIST Webbook
ripol	1773.00		NIST Webbook
ripol	1792.00		NIST Webbook
ripol	1813.00		NIST Webbook
ripol	1813.00		NIST Webbook
ripol	1804.00		NIST Webbook
ripol	1787.00		NIST Webbook
ripol	1792.00		NIST Webbook
ripol	1800.00		NIST Webbook
ripol	1789.00		NIST Webbook
ripol	1792.00		NIST Webbook
ripol	1792.00		NIST Webbook
ripol	1792.00		NIST Webbook
ripol	1762.00		NIST Webbook
ripol	1782.00		NIST Webbook
ripol	1768.00		NIST Webbook
ripol	1747.00		NIST Webbook
ripol	1775.00		NIST Webbook
ripol	1792.00		NIST Webbook
ripol	1786.00		NIST Webbook
ripol	1762.00		NIST Webbook
ripol	1764.00		NIST Webbook
ripol	1786.00		NIST Webbook
ripol	1784.00		NIST Webbook
ripol	1790.00		NIST Webbook
ripol	1775.00		NIST Webbook
ripol	1790.00		NIST Webbook
ripol	1808.00		NIST Webbook
ripol	1791.00		NIST Webbook
ripol	1794.00		NIST Webbook
tb	494.70	K	NIST Webbook
tc	734.16	K	Joback Method
tf	328.58	K	Joback Method
vc	0.503	m ³ /kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	335.67	J/mol×K	537.84	Joback Method
cpg	349.94	J/mol×K	570.56	Joback Method
cpg	363.29	J/mol×K	603.28	Joback Method
cpg	375.84	J/mol×K	636.00	Joback Method
cpg	387.71	J/mol×K	668.72	Joback Method
cpg	399.00	J/mol×K	701.44	Joback Method
cpg	409.83	J/mol×K	734.16	Joback Method

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C515004&Units=SI

Legend

cpg:	Ideal gas heat capacity
gf:	Standard Gibbs free energy of formation
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
ripol:	Non-polar retention indices
ripol:	Polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume

Latest version available from:

<https://www.chemeo.com/cid/14-038-4/Bicyclo-3-1-1-hept-2-ene-2-methanol-6-6-dimethyl.pdf>

Generated by Cheméo on 2024-04-26 09:43:50.190201549 +0000 UTC m=+16413879.110778860.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.