2-Cyclohexen-1-ol, 2-methyl-5-(1-methylethenyl)-, acetate, cis-

Other names: p-Mentha-6,8-dien-2-ol, acetate, cis-
cis-Carvyl acetate
Carvyl acetate (Z)
Z-Carvyl acetate
2-Cyclohexen-1-ol, 2-methyl-5-(1-methylethenyl)-, 1-acetate, (1R,5R)-rel-
cis-Carveyl acetate
cis-Carveol acetate
cis-2-methyl-5-(1-methylvinyl)cyclohex-2-en-1-yl acetate

Inchi: InChI=1S/C12H18O2/c1-8(2)11-6-5-9(3)12(7-11)14-10(4)13/h5,11-12H,1,6-7H2,2-4H3/t1

InchiKey: YTHRBOFHFYZBRJ-RYUDHWBXSA-N

Formula: C12H18O2

SMILES: C=C(C)C1CC=C(C)C(OC(C)=O)C1

Mol. weight [g/mol]: 194.27

CAS: 1205-42-1

Physical Properties

Property code	Value	Unit	Source
gf	-67.40	kJ/mol	Joback Method
hf	-339.88	kJ/mol	Joback Method
hfus	20.77	kJ/mol	Joback Method
hvap	51.95	kJ/mol	Joback Method
log10ws	-3.18		Crippen Method
logp	2.850		Crippen Method
mcvol	167.920	ml/mol	McGowan Method
pc	2302.53	kPa	Joback Method
rinpol	1362.00		NIST Webbook
rinpol	1321.00		NIST Webbook
rinpol	1362.00		NIST Webbook
rinpol	1366.00		NIST Webbook
rinpol	1311.00		NIST Webbook
rinpol	1322.00		NIST Webbook
rinpol	1367.00		NIST Webbook
rinpol	1365.00		NIST Webbook
rinpol	1351.00		NIST Webbook
rinpol	1317.00		NIST Webbook
rinpol	1317.00		NIST Webbook
rinpol	1326.00		NIST Webbook

rinpol	1322.00	NIST Webbook
rinpol	1362.00	NIST Webbook
rinpol	1352.00	NIST Webbook
rinpol	1365.00	NIST Webbook
rinpol	1342.00	NIST Webbook
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rinpol	1381.00	NIST Webbook
rinpol	1362.00	NIST Webbook
rinpol	1362.00	NIST Webbook
rinpol	1310.00	NIST Webbook
rinpol	1311.00	NIST Webbook
rinpol	1315.00	NIST Webbook
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rinpol	1322.00	NIST Webbook
rinpol	1362.00	NIST Webbook
rinpol	1366.00	NIST Webbook
rinpol	1395.00	NIST Webbook
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rinpol	1321.00	NIST Webbook
rinpol	1338.00	NIST Webbook
rinpol	1351.00	NIST Webbook
rinpol	1368.00	NIST Webbook
rinpol	1351.00	NIST Webbook
ripol	1782.00	NIST Webbook

ripol	1738.00		NIST Webbook
ripol	1710.00		NIST Webbook
ripol	1731.00		NIST Webbook
ripol	1710.00		NIST Webbook
ripol	1738.00		NIST Webbook
ripol	1782.00		NIST Webbook
ripol	1782.00		NIST Webbook
ripol	1725.00		NIST Webbook
ripol	1727.00		NIST Webbook
tb	565.83	K	Joback Method
tc	775.66	K	Joback Method
tf	297.86	K	Joback Method
vc	0.631	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	415.61	J/mol×K	565.83	Joback Method
cpg	433.54	J/mol×K	600.80	Joback Method
cpg	450.52	J/mol×K	635.77	Joback Method
cpg	466.58	J/mol×K	670.74	Joback Method
cpg	481.72	J/mol×K	705.71	Joback Method
cpg	495.96	J/mol×K	740.68	Joback Method
cpg	509.31	J/mol×K	775.66	Joback Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C1205421&Units=SI

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

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

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
rinpol:	Non-polar retention indices
ripol:	Polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume

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