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

Other names: p-Mentha-6,8-dien-2-ol, acetate
Carveol acetate
Carvyl acetate
L-Carvyl acetate
6-Acetoxy-p-mentha-1,8-diene
p-Mentha-6,8-dien-2-yl acetate
6-Acetoxy-p-menta-1,8-diene
p-mentha-1(6),8-dien-2-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

InchiKey: YTHRBOFHFYZBRJ-UHFFFAOYSA-N

Formula: C12H18O2

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

Mol. weight [g/mol]: 194.27

CAS: 97-42-7

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	1339.00		NIST Webbook
rinpol	1339.00		NIST Webbook
rinpol	1340.00		NIST Webbook
rinpol	1345.00		NIST Webbook
rinpol	1334.00		NIST Webbook
rinpol	1337.00		NIST Webbook
rinpol	1333.00		NIST Webbook
rinpol	1341.00		NIST Webbook
rinpol	1334.00		NIST Webbook
rinpol	1368.00		NIST Webbook
ripol	1759.00		NIST Webbook
ripol	1777.00		NIST Webbook

ripol	1759.00		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

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=C97427&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

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