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

Other names: p-Mentha-6,8-dien-2-ol, propionate
Carveol propionate
Carvyl propionate
l-Carvyl propionate
2-Cyclohexen-1-ol, 2-methyl-5-(1-methylethenyl)-, propionate
l-p-Mentha-6,8(9)-dien-2-yl propionate
p-mentha-1(6),8-dien-2-yl propionate

Inchi: InChI=1S/C13H20O2/c1-5-13(14)15-12-8-11(9(2)3)7-6-10(12)4/h6,11-12H,2,5,7-8H2,1,3

InchiKey: DFVXNZOMAOGTBL-UHFFFAOYSA-N

Formula: C13H20O2

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

Mol. weight [g/mol]: 208.30

CAS: 97-45-0

Physical Properties

Property code	Value	Unit	Source
gf	-58.98	kJ/mol	Joback Method
hf	-360.52	kJ/mol	Joback Method
hfus	23.36	kJ/mol	Joback Method
hvap	54.17	kJ/mol	Joback Method
log10ws	-3.60		Crippen Method
logp	3.241		Crippen Method
mcvol	182.010	ml/mol	McGowan Method
pc	2104.20	kPa	Joback Method
rinpol	1441.00		NIST Webbook
rinpol	1440.00		NIST Webbook
rinpol	1440.00		NIST Webbook
rinpol	1440.00		NIST Webbook
rinpol	1441.00		NIST Webbook
ripol	1833.00		NIST Webbook
ripol	1833.00		NIST Webbook
ripol	1833.00		NIST Webbook
tb	588.71	K	Joback Method
tc	795.23	K	Joback Method
tf	309.13	K	Joback Method
vc	0.688	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	466.04	J/mol×K	588.71	Joback Method
cpg	484.54	J/mol×K	623.13	Joback Method
cpg	502.05	J/mol×K	657.55	Joback Method
cpg	518.61	J/mol×K	691.97	Joback Method
cpg	534.21	J/mol×K	726.39	Joback Method
cpg	548.87	J/mol×K	760.81	Joback Method
cpg	562.62	J/mol×K	795.23	Joback Method

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	352.20	K	0.03	NIST Webbook

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C97450&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

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
tbrp:	Boiling point at reduced pressure
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume