p-Mentha-1,8-dien-7-yl acetate

Other names:	1-Cyclohexene-1-methanol, 4-(1-methylethenyl)-, acetate
	(4-Isopropenyl-1-cyclohexen-1-yl)methyl acetate
	Cyclohex-1-ene-1-methanol-4-(1-methylethenyl)-acetate
	Dihydrocuminyl acetate
	Perilla acetate
	Perillyl acetate
	p-Mentha-1,8-dien-7-ol, acetate
	4-(1-Methylvinyl)cyclohex-1-ene-1-methyl acetate
	Perilla alcohol, acetate
Inchi:	InChI=1S/C12H18O2/c1-9(2)12-6-4-11(5-7-12)8-14-10(3)13/h4,12H,1,5-8H2,2-3H3
InchiKey:	WTXBCFKGCNWPLS-UHFFFAOYSA-N
Formula:	C12H18O2
SMILES:	C=C(C)C1CC=C(COC(C)=O)CC1
Mol. weight [g/mol]:	194.27
CAS:	15111-96-3

Physical Properties

Property code	Value	Unit	Source
gf	-59.69	kJ/mol	Joback Method
hf	-319.54	kJ/mol	Joback Method
hfus	19.70	kJ/mol	Joback Method
hvap	52.25	kJ/mol	Joback Method
log10ws	-3.07		Crippen Method
logp	2.852		Crippen Method
mcvol	167.920	ml/mol	McGowan Method
pc	2377.22	kPa	Joback Method
rinpol	1421.00		NIST Webbook
rinpol	1419.00		NIST Webbook
rinpol	1419.00		NIST Webbook
rinpol	1418.00		NIST Webbook
rinpol	1406.00		NIST Webbook
rinpol	1405.00		NIST Webbook
rinpol	1436.10		NIST Webbook
ripol	1901.00		NIST Webbook
ripol	1912.00		NIST Webbook
ripol	1899.00		NIST Webbook
ripol	1900.00		NIST Webbook

ripol	1919.00		NIST Webbook
ripol	1916.00		NIST Webbook
ripol	1910.00		NIST Webbook
ripol	1902.00		NIST Webbook
ripol	1902.00		NIST Webbook
ripol	1916.00		NIST Webbook
ripol	1905.00		NIST Webbook
ripol	1902.00		NIST Webbook
ripol	1900.00		NIST Webbook
ripol	1905.00		NIST Webbook
ripol	1900.00		NIST Webbook
tb	570.50	K	Joback Method
tc	780.42	K	Joback Method
tf	302.10	K	Joback Method
vc	0.632	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	414.43	J/mol×K	570.50	Joback Method
cpg	431.91	J/mol×K	605.49	Joback Method
cpg	448.44	J/mol×K	640.47	Joback Method
cpg	464.04	J/mol×K	675.46	Joback Method
cpg	478.73	J/mol×K	710.45	Joback Method
cpg	492.52	J/mol×K	745.43	Joback Method
cpg	505.45	J/mol×K	780.42	Joback Method

Sources

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=C15111963&Units=SI

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

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

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