p-Menth-2-en-1-ol

Other names:	p-2-menthen-1-ol
	menth-2-en-1-ol
	p-meth-2-en-1-ol
	2-Cyclohexen-1-ol, 1-methyl-4-(1-methylethyl)
	4-(1-Methylethyl)-1-methyl-2-Cyclohexenol
	1-methyl-4-(1-methylethyl) 2-cyclohexen-1-ol
Inchi:	InChI=1S/C10H18O/c1-8(2)9-4-6-10(3,11)7-5-9/h4,6,8-9,11H,5,7H2,1-3H3
InchiKey:	IZXYHAXVIZHGJV-UHFFFAOYSA-N
Formula:	C10H18O
SMILES:	CC(C)C1C=CC(C)(O)CC1
Mol. weight [g/mol]:	154.25

Physical Properties

Property code	Value	Unit	Source
gf	-64.73	kJ/mol	Joback Method
hf	-300.24	kJ/mol	Joback Method
hfus	10.05	kJ/mol	Joback Method
hvap	53.41	kJ/mol	Joback Method
log10ws	-2.65		Crippen Method
logp	2.360		Crippen Method
mcvol	142.470	ml/mol	McGowan Method
pc	3002.44	kPa	Joback Method
rinpol	1120.00		NIST Webbook
rinpol	1117.00		NIST Webbook
rinpol	1124.00		NIST Webbook
rinpol	1121.00		NIST Webbook
rinpol	1137.00		NIST Webbook
rinpol	1124.00		NIST Webbook
rinpol	1117.00		NIST Webbook
rinpol	1115.00		NIST Webbook
rinpol	1127.00		NIST Webbook
rinpol	1116.00		NIST Webbook
rinpol	1117.00		NIST Webbook
rinpol	1120.00		NIST Webbook
rinpol	1119.00		NIST Webbook
rinpol	1109.00		NIST Webbook
rinpol	1137.00		NIST Webbook

rinpol	1133.00		NIST Webbook
rinpol	1115.00		NIST Webbook
rinpol	1142.00		NIST Webbook
rinpol	1112.00		NIST Webbook
rinpol	1122.00		NIST Webbook
rinpol	1124.00		NIST Webbook
rinpol	1137.00		NIST Webbook
rinpol	1120.00		NIST Webbook
rinpol	1108.00		NIST Webbook
rinpol	1116.00		NIST Webbook
ripol	1563.00		NIST Webbook
ripol	1605.00		NIST Webbook
ripol	1605.00		NIST Webbook
ripol	1563.00		NIST Webbook
ripol	1563.00		NIST Webbook
tb	534.22	K	Joback Method
tc	733.16	K	Joback Method
tf	276.08	K	Joback Method
vc	0.524	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	350.88	J/mol×K	534.22	Joback Method
cpg	366.76	J/mol×K	567.38	Joback Method
cpg	381.73	J/mol×K	600.53	Joback Method
cpg	395.87	J/mol×K	633.69	Joback Method
cpg	409.26	J/mol×K	666.84	Joback Method
cpg	422.01	J/mol×K	700.00	Joback Method
cpg	434.18	J/mol×K	733.16	Joback Method

Sources

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
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R77397&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
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