2-Cyclohexen-1-ol, 2-methyl-5-(1-methylethyl)-, (1S-cis)-

Other names: p-Menth-6-en-2-ol, (2S,4S)-(+)-
Carvotanacetol, cis-
cis-Carvotanacetol
2-Cyclohexen-1-ol, 2-methyl-5-(1-methylethyl)-, (1S,5S)-
5-Isopropyl-2-methyl-2-cyclohexen-1-ol-, (1S-cis)-

Inchi: InChI=1S/C10H18O/c1-7(2)9-5-4-8(3)10(11)6-9/h4,7,9-11H,5-6H2,1-3H3/t9-,10-/m0/s1

InchiKey: FZXLDENMTYEVAD-UWVGGRQHSA-N

Formula: C10H18O

SMILES: CC1=CCC(C(C)C)CC1O

Mol. weight [g/mol]: 154.25

CAS: 536-30-1

Physical Properties

Property code	Value	Unit	Source
gf	-68.87	kJ/mol	Joback Method
hf	-326.95	kJ/mol	Joback Method
hfus	15.96	kJ/mol	Joback Method
hvap	55.22	kJ/mol	Joback Method
log10ws	-2.65		Crippen Method
logp	2.360		Crippen Method
mcvol	142.470	ml/mol	McGowan Method
pc	2814.34	kPa	Joback Method
rinpol	1195.00		NIST Webbook
rinpol	1199.00		NIST Webbook
tb	538.96	K	Joback Method
tc	731.46	K	Joback Method
tf	264.70	K	Joback Method
vc	0.526	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	351.74	J/mol×K	538.96	Joback Method
cpg	423.14	J/mol×K	699.37	Joback Method

cpg	410.31	J/mol×K	667.29	Joback Method
cpg	396.76	J/mol×K	635.21	Joback Method
cpg	382.50	J/mol×K	603.13	Joback Method
cpg	367.50	J/mol×K	571.04	Joback Method
cpg	435.28	J/mol×K	731.46	Joback Method
dvisc	0.0001244	Pa×s	538.96	Joback Method
dvisc	0.0001992	Pa×s	493.25	Joback Method
dvisc	0.0003512	Pa×s	447.54	Joback Method
dvisc	0.0007045	Pa×s	401.83	Joback Method
dvisc	0.0016898	Pa×s	356.12	Joback Method
dvisc	0.0052446	Pa×s	310.41	Joback Method
dvisc	0.0240696	Pa×s	264.70	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=C536301&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
dvisc:	Dynamic viscosity
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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume