1,5-Cyclohexadiene-1-methanol, 4-(1-methylethyl)-

Other names: p-Mentha-1,5-dien-7-ol
1,5-Menthadien-7-ol
(4-Isopropyl-1,5-cyclohexadien-1-yl)methanol
p-Mentha-1,5-diene-7-ol

Inchi: InChI=1S/C10H16O/c1-8(2)10-5-3-9(7-11)4-6-10/h3-5,8,10-11H,6-7H2,1-2H3

InchiKey: QPHLFYOPLZARDQ-UHFFFAOYSA-N

Formula: C10H16O

SMILES: CC(C)C1C=CC(CO)=CC1

Mol. weight [g/mol]: 152.23

CAS: 19876-45-0

Physical Properties

Property code	Value	Unit	Source
gf	-31.20	kJ/mol	Joback Method
hf	-248.83	kJ/mol	Joback Method
hfus	16.11	kJ/mol	Joback Method
hvap	55.82	kJ/mol	Joback Method
log10ws	-2.39		Crippen Method
logp	2.137		Crippen Method
mcvol	138.170	ml/mol	McGowan Method
pc	3032.27	kPa	Joback Method
tb	542.79	K	Joback Method
tc	737.22	K	Joback Method
tf	269.70	K	Joback Method
vc	0.513	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	332.08	J/mol×K	542.79	Joback Method
cpg	346.39	J/mol×K	575.20	Joback Method
cpg	359.95	J/mol×K	607.60	Joback Method
cpg	372.79	J/mol×K	640.01	Joback Method
cpg	384.95	J/mol×K	672.41	Joback Method

cpg	396.43	J/mol×K	704.82	Joback Method
cpg	407.26	J/mol×K	737.22	Joback Method
dvisc	0.0245888	Pa×s	269.70	Joback Method
dvisc	0.0052306	Pa×s	315.21	Joback Method
dvisc	0.0016443	Pa×s	360.73	Joback Method
dvisc	0.0006699	Pa×s	406.25	Joback Method
dvisc	0.0003271	Pa×s	451.76	Joback Method
dvisc	0.0001821	Pa×s	497.27	Joback Method
dvisc	0.0001118	Pa×s	542.79	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=C19876450&Units=SI

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
tb: Normal Boiling Point Temperature
tc: Critical Temperature
tf: Normal melting (fusion) point
vc: Critical Volume

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