1-Methyl-2-cyclopenten-1-ol

Inchi: InChI=1S/C6H10O/c1-6(7)4-2-3-5-6/h2,4,7H,3,5H2,1H3
InchiKey: DDZQTCKHBSEICB-UHFFFAOYSA-N
Formula: C6H10O
SMILES: CC1(O)C=CCC1
Mol. weight [g/mol]: 98.14

Physical Properties

Property code	Value	Unit	Source
gf	-76.16	kJ/mol	Joback Method
hf	-185.90	kJ/mol	Joback Method
hfus	4.24	kJ/mol	Joback Method
hvap	45.03	kJ/mol	Joback Method
log10ws	-1.46		Crippen Method
logp	1.087		Crippen Method
mcvol	86.110	ml/mol	McGowan Method
pc	4815.84	kPa	Joback Method
rinpol	1260.00		NIST Webbook
rinpol	1260.00		NIST Webbook
tb	443.54	K	Joback Method
tc	641.23	K	Joback Method
tf	253.76	K	Joback Method
vc	0.316	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	175.74	J/mol×K	443.54	Joback Method
cpg	186.78	J/mol×K	476.49	Joback Method
cpg	196.97	J/mol×K	509.44	Joback Method
cpg	206.39	J/mol×K	542.38	Joback Method
cpg	215.14	J/mol×K	575.33	Joback Method
cpg	223.31	J/mol×K	608.28	Joback Method
cpg	230.98	J/mol×K	641.23	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R576459&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
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

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

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