2-Cyclohexen-1-ol

Other names:	Cyclohexen-3-ol
	1-Cyclohexen-3-ol
	2-Cyclohexenol
	3-Hydroxycyclohexene
	2-Cyclohexene-1-ol
	cyclohex-2-ene-1-ol
Inchi:	InChI=1S/C6H10O/c7-6-4-2-1-3-5-6/h2,4,6-7H,1,3,5H2
InchiKey:	PQANGXXSEABURG-UHFFFAOYSA-N
Formula:	C6H10O
SMILES:	OC1C=CCCC1
Mol. weight [g/mol]:	98.14
CAS:	822-67-3

Physical Properties

Property code	Value	Unit	Source
gf	-82.77	kJ/mol	Joback Method
hf	-207.30	kJ/mol	Joback Method
hfus	8.44	kJ/mol	Joback Method
hvap	46.35	kJ/mol	Joback Method
log10ws	-1.46		Crippen Method
logp	1.087		Crippen Method
mcvol	86.110	ml/mol	McGowan Method
pc	4684.89	kPa	Joback Method
rinpol	887.00		NIST Webbook
rinpol	883.00		NIST Webbook
rinpol	890.00		NIST Webbook
rinpol	890.00		NIST Webbook
rinpol	887.00		NIST Webbook
rinpol	887.00		NIST Webbook
rinpol	887.00		NIST Webbook
rinpol	880.00		NIST Webbook
ripol	1479.00		NIST Webbook
ripol	1481.00		NIST Webbook
ripol	1427.00		NIST Webbook
ripol	1471.00		NIST Webbook
ripol	1471.00		NIST Webbook
ripol	1473.00		NIST Webbook

ripol	1466.00		NIST Webbook
ripol	1481.00		NIST Webbook
tb	437.20	K	NIST Webbook
tc	644.50	K	Joback Method
tf	226.34	K	Joback Method
vc	0.309	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	173.65	J/mol×K	447.57	Joback Method
cpg	226.15	J/mol×K	611.68	Joback Method
cpg	216.79	J/mol×K	578.86	Joback Method
cpg	206.87	J/mol×K	546.03	Joback Method
cpg	196.39	J/mol×K	513.21	Joback Method
cpg	185.32	J/mol×K	480.39	Joback Method
cpg	234.98	J/mol×K	644.50	Joback Method
dvisc	0.0002345	Pa×s	447.57	Joback Method
dvisc	0.0003970	Pa×s	410.70	Joback Method
dvisc	0.0007454	Pa×s	373.83	Joback Method
dvisc	0.0016066	Pa×s	336.95	Joback Method
dvisc	0.0041819	Pa×s	300.08	Joback Method
dvisc	0.0142316	Pa×s	263.21	Joback Method
dvisc	0.0721805	Pa×s	226.34	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=C822673&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
ripol:	Polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume