3,4-Dimethyl-3-cyclohexenylmethanal

Inchi: InChI=1S/C9H14O/c1-7-3-4-9(6-10)5-8(7)2/h6,9H,3-5H2,1-2H3
InchiKey: NOJNKSAQZMVMFF-UHFFFAOYSA-N
Formula: C9H14O
SMILES: CC1=C(C)CC(C=O)CC1
Mol. weight [g/mol]: 138.21

Physical Properties

Property code	Value	Unit	Source
hfus	13.63	kJ/mol	Joback Method
logp	2.322		Crippen Method
mcvol	124.080	ml/mol	McGowan Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	268.51	J/mol×K	482.65	Joback Method
cpg	347.94	J/mol×K	692.10	Joback Method
cpg	336.45	J/mol×K	657.19	Joback Method
cpg	324.28	J/mol×K	622.29	Joback Method
cpg	311.42	J/mol×K	587.38	Joback Method
cpg	297.84	J/mol×K	552.47	Joback Method
cpg	283.55	J/mol×K	517.56	Joback Method
dvisc	0.0006525	Pa×s	374.51	Joback Method
dvisc	0.0003040	Pa×s	482.65	Joback Method
dvisc	0.0003764	Pa×s	446.60	Joback Method
dvisc	0.0004837	Pa×s	410.56	Joback Method
dvisc	0.0026032	Pa×s	266.37	Joback Method
dvisc	0.0009380	Pa×s	338.46	Joback Method
dvisc	0.0014704	Pa×s	302.42	Joback Method

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C93861860&Units=SI
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
dvisc:	Dynamic viscosity
hfus:	Enthalpy of fusion at standard conditions
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume