2-vinylcyclopropanal

Inchi: InChI=1S/C6H8O/c1-2-5-3-6(5)4-7/h2,4-6H,1,3H2
InchiKey: VVRVSKFQOPUGNO-UHFFFAOYSA-N
Formula: C6H8O
SMILES: C=CC1CC1C=O
Mol. weight [g/mol]: 96.13

Physical Properties

Property code	Value	Unit	Source
gf	41.00	kJ/mol	Joback Method
hf	-74.86	kJ/mol	Joback Method
hfus	11.51	kJ/mol	Joback Method
hvap	34.60	kJ/mol	Joback Method
log10ws	-0.88		Crippen Method
logp	1.007		Crippen Method
mcvol	81.810	ml/mol	McGowan Method
pc	4000.70	kPa	Joback Method
ripol	1084.00		NIST Webbook
ripol	1084.00		NIST Webbook
tb	384.09	K	Joback Method
tc	575.15	K	Joback Method
tf	211.32	K	Joback Method
vc	0.326	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	149.24	J/mol×K	384.09	Joback Method
cpg	197.01	J/mol×K	543.31	Joback Method
cpg	188.56	J/mol×K	511.46	Joback Method
cpg	179.59	J/mol×K	479.62	Joback Method
cpg	170.06	J/mol×K	447.78	Joback Method
cpg	159.96	J/mol×K	415.93	Joback Method
cpg	204.96	J/mol×K	575.15	Joback Method
dvisc	0.0004084	Pa×s	384.09	Joback Method

dvisc	0.0004296	Pa×s	355.30	Joback Method
dvisc	0.0004559	Pa×s	326.50	Joback Method
dvisc	0.0004894	Pa×s	297.71	Joback Method
dvisc	0.0005334	Pa×s	268.91	Joback Method
dvisc	0.0005935	Pa×s	240.12	Joback Method
dvisc	0.0006798	Pa×s	211.32	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=R299122&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
ripol:	Polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume