Cyclopropanecarboxylic acid, 3-chloroprop-2-enyl ester

Inchi: InChI=1S/C7H9ClO2/c8-4-1-5-10-7(9)6-2-3-6/h1,4,6H,2-3,5H2/b4-1+

InchiKey: QAJSCZWJFSRULT-DAFODLJHSA-N

Formula: C7H9ClO2

SMILES: O=C(OCC=CCl)C1CC1

Mol. weight [g/mol]: 160.60

Physical Properties

Property code	Value	Unit	Source
gf	-96.82	kJ/mol	Joback Method
hf	-258.33	kJ/mol	Joback Method
hfus	19.21	kJ/mol	Joback Method
hvap	44.59	kJ/mol	Joback Method
log10ws	-1.77		Crippen Method
logp	1.692		Crippen Method
mcvol	114.010	ml/mol	McGowan Method
pc	3464.28	kPa	Joback Method
rinpol	855.00		NIST Webbook
rinpol	855.00		NIST Webbook
tb	484.18	K	Joback Method
tc	690.70	K	Joback Method
tf	283.59	K	Joback Method
vc	0.438	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	232.83	J/mol×K	484.18	Joback Method
cpg	244.04	J/mol×K	518.60	Joback Method
cpg	254.55	J/mol×K	553.02	Joback Method
cpg	264.40	J/mol×K	587.44	Joback Method
cpg	273.62	J/mol×K	621.86	Joback Method
cpg	282.26	J/mol×K	656.28	Joback Method
cpg	290.36	J/mol×K	690.70	Joback Method
dvisc	0.0018693	Pa×s	283.59	Joback Method

dvisc	0.0013034	Pa×s	317.02	Joback Method
dvisc	0.0009736	Pa×s	350.45	Joback Method
dvisc	0.0007652	Pa×s	383.88	Joback Method
dvisc	0.0006250	Pa×s	417.32	Joback Method
dvisc	0.0005261	Pa×s	450.75	Joback Method
dvisc	0.0004535	Pa×s	484.18	Joback Method

Sources

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=U299383&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

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