Carbonic acid, allyl 3,4-dichlorophenyl ester

Inchi: InChI=1S/C10H8Cl2O3/c1-2-5-14-10(13)15-7-3-4-8(11)9(12)6-7/h2-4,6H,1,5H2
InchiKey: XPYUFBCLCUBYAN-UHFFFAOYSA-N
Formula: C10H8Cl2O3
SMILES: C=CCOC(=O)Oc1ccc(Cl)c(Cl)c1
Mol. weight [g/mol]: 247.07

Physical Properties

Property code	Value	Unit	Source
gf	-148.47	kJ/mol	Joback Method
hf	-319.21	kJ/mol	Joback Method
hfus	26.01	kJ/mol	Joback Method
hvap	61.12	kJ/mol	Joback Method
log10ws	-3.91		Crippen Method
logp	3.695		Crippen Method
mcvol	161.490	ml/mol	McGowan Method
pc	2829.33	kPa	Joback Method
rinpol	1670.00		NIST Webbook
tb	635.09	K	Joback Method
tc	859.63	K	Joback Method
tf	406.39	K	Joback Method
vc	0.609	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	350.72	J/mol×K	635.09	Joback Method
cpg	361.24	J/mol×K	672.51	Joback Method
cpg	371.09	J/mol×K	709.94	Joback Method
cpg	380.27	J/mol×K	747.36	Joback Method
cpg	388.78	J/mol×K	784.78	Joback Method
cpg	396.62	J/mol×K	822.20	Joback Method
cpg	403.78	J/mol×K	859.63	Joback Method
dvisc	0.0009192	Pa×s	406.39	Joback Method
dvisc	0.0006090	Pa×s	444.51	Joback Method

dvisc	0.0004306	Pa×s	482.62	Joback Method
dvisc	0.0003203	Pa×s	520.74	Joback Method
dvisc	0.0002481	Pa×s	558.86	Joback Method
dvisc	0.0001985	Pa×s	596.97	Joback Method
dvisc	0.0001632	Pa×s	635.09	Joback Method

Sources

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
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=U357812&Units=SI

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