Ethyl glycolate, chlorodifluoroacetate

Inchi: InChI=1S/C6H7ClF2O4/c1-2-12-4(10)3-13-5(11)6(7,8)9/h2-3H2,1H3
InchiKey: GDIUMTIAKYMYSR-UHFFFAOYSA-N
Formula: C6H7ClF2O4
SMILES: CCOC(=O)COC(=O)C(F)(F)Cl
Mol. weight [g/mol]: 216.57

Physical Properties

Property code	Value	Unit	Source
gf	-866.91	kJ/mol	Joback Method
hf	-1073.48	kJ/mol	Joback Method
hfus	19.81	kJ/mol	Joback Method
hvap	48.72	kJ/mol	Joback Method
log10ws	-1.02		Crippen Method
logp	0.924		Crippen Method
mcvol	126.060	ml/mol	McGowan Method
pc	3052.41	kPa	Joback Method
rinpol	996.00		NIST Webbook
rinpol	996.00		NIST Webbook
tb	522.00	K	Joback Method
tc	707.79	K	Joback Method
tf	335.22	K	Joback Method
vc	0.493	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	280.03	J/mol×K	522.00	Joback Method
cpg	288.72	J/mol×K	552.96	Joback Method
cpg	296.98	J/mol×K	583.93	Joback Method
cpg	304.80	J/mol×K	614.89	Joback Method
cpg	312.19	J/mol×K	645.86	Joback Method
cpg	319.17	J/mol×K	676.82	Joback Method
cpg	325.72	J/mol×K	707.79	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=U376249&Units=SI

Legend

cpg:	Ideal gas heat capacity
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