Dicyclopropylmethanol, chlorodifluoroacetate

Inchi: InChI=1S/C9H11ClF2O2/c10-9(11,12)8(13)14-7(5-1-2-5)6-3-4-6/h5-7H,1-4H2
InchiKey: QFDFYFPPBXVDJN-UHFFFAOYSA-N
Formula: C9H11ClF2O2
SMILES: O=C(OC(C1CC1)C1CC1)C(F)(F)Cl
Mol. weight [g/mol]: 224.63

Physical Properties

Property code	Value	Unit	Source
gf	-488.67	kJ/mol	Joback Method
hf	-750.28	kJ/mol	Joback Method
hfus	17.54	kJ/mol	Joback Method
hvap	45.68	kJ/mol	Joback Method
log10ws	-2.83		Crippen Method
logp	2.550		Crippen Method
mcvol	139.170	ml/mol	McGowan Method
pc	2841.41	kPa	Joback Method
rinpol	1168.00		NIST Webbook
rinpol	1168.00		NIST Webbook
tb	527.39	K	Joback Method
tc	730.20	K	Joback Method
tf	317.75	K	Joback Method
vc	0.545	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	343.31	J/mol×K	527.39	Joback Method
cpg	357.65	J/mol×K	561.19	Joback Method
cpg	370.93	J/mol×K	594.99	Joback Method
cpg	383.24	J/mol×K	628.80	Joback Method
cpg	394.64	J/mol×K	662.60	Joback Method
cpg	405.20	J/mol×K	696.40	Joback Method
cpg	415.01	J/mol×K	730.20	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=U376251&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
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