O-Ethyl-O-(1,1-difluoro-2-chloroethyl)-phosphoro

Inchi: InChI=1S/C4H7Cl2F2O2PS/c1-2-9-11(6,12)10-4(7,8)3-5/h2-3H2,1H3
InchiKey: DQJFKWKZAHLMIA-UHFFFAOYSA-N
Formula: C4H7Cl2F2O2PS
SMILES: CCOP(=S)(Cl)OC(F)(F)CCl
Mol. weight [g/mol]: 259.04

Physical Properties

Property code	Value	Unit	Source
log10ws	0.96		Crippen Method
logp	3.334		Crippen Method
mcvol	143.790	ml/mol	McGowan Method
rinpol	1161.00		NIST Webbook
rinpol	1161.00		NIST Webbook

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=R544051&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient
mcvol: McGowan's characteristic volume
rinpol: Non-polar retention indices

Cheméo (https://www.chemeo.com) is the biggest free database of chemical and physical data for the process industry.