O-(2-Chloroethyl)-O-(1,1-difluoro-2-chloroethyl)-p

Inchi: InChI=1S/C4H6Cl3F2O2PS/c5-1-2-10-12(7,13)11-4(8,9)3-6/h1-3H2
InchiKey: YOUVWYPUZBDXDZ-UHFFFAOYSA-N
Formula: C4H6Cl3F2O2PS
SMILES: FC(F)(CCl)OP(=S)(Cl)OCCCl
Mol. weight [g/mol]: 293.48

Physical Properties

Property code	Value	Unit	Source
log10ws	0.81		Crippen Method
logp	3.553		Crippen Method
mcvol	156.030	ml/mol	McGowan Method
rinpol	1362.00		NIST Webbook
rinpol	1362.00		NIST Webbook

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=R543914&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

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.