O-Ethyl-O-(1,1-difluoro-2-chloroethyl)-N-(1,1-dime

Inchi: InChI=1S/C8H17ClF2NO2PS/c1-5-13-15(16,12-7(2,3)4)14-8(10,11)6-9/h5-6H2,1-4H3,(H
InchiKey: UYBFRFFFRGMYQB-UHFFFAOYSA-N
Formula: C8H17ClF2NO2PS
SMILES: CCOP(=S)(NC(C)(C)C)OC(F)(F)CCl
Mol. weight [g/mol]: 295.71

Physical Properties

Property code	Value	Unit	Source
log10ws	0.14		Crippen Method
logp	3.484		Crippen Method
mcvol	197.890	ml/mol	McGowan Method
rinpol	1420.00		NIST Webbook
rinpol	1420.00		NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=R543949&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method: http://link.springer.com/article/10.1007/BF02311772

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.