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

Inchi: InChI=1S/C8H17ClF2NO2PS/c1-4-12(5-2)15(16,13-6-3)14-8(10,11)7-9/h4-7H2,1-3H3
InchiKey: PWSNPGPFBDKFCI-UHFFFAOYSA-N
Formula: C8H17ClF2NO2PS
SMILES: CCOP(=S)(OC(F)(F)CCl)N(CC)CC
Mol. weight [g/mol]: 295.71

Physical Properties

Property code	Value	Unit	Source
log10ws	0.87		Crippen Method
logp	3.437		Crippen Method
mcvol	197.890	ml/mol	McGowan Method
rinpol	1416.00		NIST Webbook
rinpol	1416.00		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=R544026&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.