O,O-Diisopropyl-S-(1,1-difluoroethyl)-dithiophosp

Inchi: InChI=1S/C8H17F2O2PS2/c1-6(2)11-13(14,12-7(3)4)15-8(5,9)10/h6-7H,1-5H3
InchiKey: YZVJWDPGCFDFHT-UHFFFAOYSA-N
Formula: C8H17F2O2PS2
SMILES: CC(C)OP(=S)(OC(C)C)SC(C)(F)F
Mol. weight [g/mol]: 278.32

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.52		Crippen Method
logp	4.407		Crippen Method
mcvol	192.020	ml/mol	McGowan Method
rinpol	1314.00		NIST Webbook
rinpol	1314.00		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=R544393&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.