O,O-Dimethyl-S-(1,1-difluoroethyl)-dithiophospha

Inchi: InChI=1S/C4H9F2O2PS2/c1-4(5,6)11-9(10,7-2)8-3/h1-3H3
InchiKey: QXMWWCXQKCPJDV-UHFFFAOYSA-N
Formula: C4H9F2O2PS2
SMILES: COP(=S)(OC)SC(C)(F)F
Mol. weight [g/mol]: 222.21

Physical Properties

Property code	Value	Unit	Source
log10ws	1.38		Crippen Method
logp	2.850		Crippen Method
mcvol	135.660	ml/mol	McGowan Method
rinpol	1133.00		NIST Webbook

Sources

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
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=R544402&Units=SI

Legend

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