O-(4-Chlorophenyl)-S-(1,1-difluoroethyl)-dithioeth

Inchi: InChI=1S/C10H12ClF2OPS2/c1-3-15(16,17-10(2,12)13)14-9-6-4-8(11)5-7-9/h4-7H,3H2,1
InchiKey: NJVIDQLYXHXZBZ-UHFFFAOYSA-N
Formula: C10H12ClF2OPS2
SMILES: CCP(=S)(Oc1ccc(Cl)cc1)SC(C)(F)F
Mol. weight [g/mol]: 316.75

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.49		Crippen Method
logp	5.394		Crippen Method
mcvol	202.810	ml/mol	McGowan Method
rinpol	1861.00		NIST Webbook
rinpol	1861.00		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=R544308&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.