# O-(2,4,5-trichlorophenyl) n,n,n',n'-tetramethyldiamidothiophosphate

**Inchi:** InChI=1S/C10H14Cl3N2OPS/c1-14(2)17(18,15(3)4)16-10-6-8(12)7(11)5-9(10)13/h5-6H,1

**InchiKey:** INPRLIDPDDNKEY-UHFFFAOYSA-N

**Formula:** C10H14Cl3N2OPS

**SMILES:** CN(C)P(=S)(Oc1cc(Cl)c(Cl)cc1Cl)N(C)C

**Mol. weight [g/mol]:** 347.63

**CAS:** 110252-33-0

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| log10ws | -0.30 | | Crippen Method |
| logp | 4.373 | | Crippen Method |
| mcvol | 227.360 | ml/mol | McGowan Method |

## 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=C110252330&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