

O-isopropyl o-(2,4,5-trichlorophenyl)amidothiophosphate

Inchi:	InChI=1S/C9H11Cl3NO2PS/c1-5(2)14-16(13,17)15-9-4-7(11)6(10)3-8(9)12/h3-5H,1-2H3
InchiKey:	VHIFGRFRBQQKET-UHFFFAOYSA-N
Formula:	C9H11Cl3NO2PS
SMILES:	CC(C)OP(N)(=S)Oc1cc(Cl)c(Cl)cc1Cl
Mol. weight [g/mol]:	334.59
CAS:	635-96-1

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.37		Crippen Method
logp	4.634		Crippen Method
mcvol	209.160	ml/mol	McGowan Method

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=C635961&Units=SI

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume

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