

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

Inchi:	InChI=1S/C7H7Cl3NO2PS/c1-12-14(11,15)13-7-3-5(9)4(8)2-6(7)10/h2-3H,1H3,(H2,11,15)
InchiKey:	WRWBHVIYUCQSIA-UHFFFAOYSA-N
Formula:	C7H7Cl3NO2PS
SMILES:	COP(N)(=S)Oc1cc(Cl)c(Cl)cc1Cl
Mol. weight [g/mol]:	306.53
CAS:	2591-66-4

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.42		Crippen Method
logp	3.855		Crippen Method
mcvol	180.980	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=C2591664&Units=SI

Legend

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

Latest version available from:

<https://www.chemeo.com/cid/60-467-7/O-methyl-o-2-4-5-trichlorophenyl-amidothiophosphate.pdf>

Generated by Cheméo on 2025-12-05 14:24:16.769621671 +0000 UTC m=+4692854.299662325.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.