

Diethyl 2,5-dichloro-phenyl phosphate

Inchi: InChI=1S/C10H13Cl2O4P/c1-3-14-17(13,15-4-2)16-10-7-8(11)5-6-9(10)12/h5-7H,3-4H2,
InchiKey: AUSYYPRTJIMWNR-UHFFFAOYSA-N
Formula: C10H13Cl2O4P
SMILES: CCOP(=O)(OCC)Oc1cc(Cl)ccc1Cl
Mol. weight [g/mol]: 299.09

Physical Properties

Property code	Value	Unit	Source
log10ws	-5.66		Crippen Method
logp	4.553		Crippen Method
mcvol	196.420	ml/mol	McGowan Method
rinpol	1844.00		NIST Webbook
ripol	2502.00		NIST Webbook

Sources

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>
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=R168919&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
ripol: Polar retention indices

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