

Acetyl chloride, dichlorophosphinyl-

Inchi: InChI=1S/C2H2Cl3O2P/c3-2(6)1-8(4,5)7/h1H2
InchiKey: FVLMLHKNLUAVNE-UHFFFAOYSA-N
Formula: C2H2Cl3O2P
SMILES: O=C(Cl)CP(=O)(Cl)Cl
Mol. weight [g/mol]: 195.37
CAS: 34164-06-2

Physical Properties

Property code	Value	Unit	Source
log10ws	-3.17		Crippen Method
logp	2.423		Crippen Method
mcvol	103.660	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=C34164062&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/81-204-5/Acetyl-chloride-dichlorophosphinyl.pdf>

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