

# Diphenylphosphinic chloride

**Other names:** Diphenylphosphinochloridic acid; Diphenylphosphinyl chloride; Diphenylphosphoryl chloride; Phosphine oxide, chlorodiphenyl-; Phosphinic chloride, diphenyl-

**InChI:** InChI=1S/C12H10ClOP/c13-15(14,11-7-3-1-4-8-11)12-9-5-2-6-10-12/h1-10H

**InChI Key:** QPQGTZMAQRXCJW-UHFFFAOYSA-N

**Formula:** C<sub>12</sub>H<sub>10</sub>ClOP

**SMILES:** O=P(Cl)(c1ccccc1)c1ccccc1

**Molecular Weight:** 236.63

**CAS:** 1499-21-4



## Physical Properties

Property	Value	Unit	Source
$\log P_{\text{oct/wat}}$	3.15		Crippen Method

## Sources

**NIST Webbook:** [http://webbook.nist.gov/cgi/inchi/InChI=1S/C12H10ClOP/c13-15\(14,11-7-3-1-4-8-11\)12-9-5-2-6-10-12/h1-10H](http://webbook.nist.gov/cgi/inchi/InChI=1S/C12H10ClOP/c13-15(14,11-7-3-1-4-8-11)12-9-5-2-6-10-12/h1-10H)

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

## Legend

$\log P_{\text{oct/wat}}$ : Octanol/Water partition coefficient .

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