# 2-Phenyl-4,7-dichloro-quinoline

**Inchi:** InChI=1S/C15H9Cl2N/c16-11-6-7-12-13(17)9-14(18-15(12)8-11)10-4-2-1-3-5-10/h1-9H
**InchiKey:** PCHBNMXAFNHKRD-UHFFFAOYSA-N
**Formula:** C15H9Cl2N
**SMILES:** Clc1ccc2c(Cl)cc(-c3ccccc3)nc2c1
**Mol. weight [g/mol]:** 274.14
**CAS:** 116434-94-7

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| log10ws | -7.01 | | Crippen Method |
| logp | 5.209 | | Crippen Method |
| mcvol | 189.690 | 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=C116434947&Units=SI

## Legend

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