# 2-Phenacyl-quinoxaline

| | |
|---|---|
| **Other names:** | Ethanone, 1-phenyl-2-(2-quinoxalinyl)- |
| **Inchi:** | InChI=1S/C16H12N2O/c19-16(12-6-2-1-3-7-12)10-13-11-17-14-8-4-5-9-15(14)18-13/h1-9 |
| **InchiKey:** | SVDCSMOJGNIGMS-UHFFFAOYSA-N |
| **Formula:** | C16H12N2O |
| **SMILES:** | O=C(Cc1cnc2ccccc2n1)c1ccccc1 |
| **Mol. weight [g/mol]:** | 248.28 |
| **CAS:** | 16310-38-6 |

# Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| log10ws | -5.08 | | Crippen Method |
| logp | 3.055 | | Crippen Method |
| mcvol | 190.850 | ml/mol | McGowan Method |

# Sources

| | |
|---|---|
| **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=C16310386&Units=SI |
| **Crippen Method:** | http://pubs.acs.org/doi/abs/10.1021/ci990307l |

# Legend

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