# 3-Phenyl-1,3-oxazolidine

| | |
|---|---|
| **Other names:** | 3-Phenyl-1,3-oxazolidine |
| | 3-Phenyloxazolidine |
| **Inchi:** | InChI=1S/C9H11NO/c1-2-4-9(5-3-1)10-6-7-11-8-10/h1-5H,6-8H2 |
| **InchiKey:** | ITSRLVMSQHOSEC-UHFFFAOYSA-N |
| **Formula:** | C9H11NO |
| **SMILES:** | c1ccc(N2CCOC2)cc1 |
| **Mol. weight [g/mol]:** | 149.19 |

# Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| hvap | 66.81 | kJ/mol | Cheméo Relay (1.0) |
| ie | 7.65 | eV | Cheméo Relay (1.0) |
| logp | 1.481 | | Crippen Method |
| mcvol | 118.900 | ml/mol | McGowan Method |
| tb | 519.10 | K | Cheméo Relay (1.0) |
| tf | 278.39 | K | Cheméo Relay (1.0) |

# Sources

| | |
|---|---|
| **NIST Webbook:** | http://webbook.nist.gov/cgi/cbook.cgi?ID=C20503928&Units=SI |
| **McGowan Method:** | http://link.springer.com/article/10.1007/BF02311772 |
| **Crippen Method:** | http://pubs.acs.org/doi/abs/10.1021/ci990307l |
| **Crippen Method:** | https://www.chemeo.com/doc/models/crippen_log10ws |
| **Cheméo Relay (1.0):** | |
| **Cheméo Relay (1.0, beta):** | |

# Legend

| | |
|---|---|
| **hvap:** | Enthalpy of vaporization at standard conditions |
| **ie:** | Ionization energy |
| **logp:** | Octanol/Water partition coefficient |

| | |
|---|---|
| **mcvol:** | McGowan's characteristic volume |
| **tb:** | Normal Boiling Point Temperature |
| **tf:** | Normal melting (fusion) point |