# 2-Methoxy-1-methyl-4-quinolone

**Inchi:** InChI=1S/C11H11NO2/c1-12-9-6-4-3-5-8(9)10(13)7-11(12)14-2/h3-7H,1-2H3
**InchiKey:** RMPAXAAOZFGZSS-UHFFFAOYSA-N
**Formula:** C11H11NO2
**SMILES:** COc1cc(=O)c2ccccc2n1C
**Mol. weight [g/mol]:** 189.21
**CAS:** 40335-01-1

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| log10ws | -4.11 | | Crippen Method |
| logp | 1.547 | | Crippen Method |
| mcvol | 144.350 | ml/mol | McGowan Method |

## Sources

**NIST Webbook:** http://webbook.nist.gov/cgi/cbook.cgi?ID=C40335011&Units=SI
**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

## 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/64-912-8/2-Methoxy-1-methyl-4-quinolone.pdf
Generated by Cheméo on 2025-12-23 06:04:44.600537327 +0000 UTC m=+6218082.130577981.
Cheméo (https://www.chemeo.com) is the biggest free database of chemical and physical data for the process industry.