# Quinazolin-4-one, 3-ethyl

**Other names:** 4-Quinazolone, 3-ethyl
**Inchi:** InChI=1S/C10H10N2O/c1-2-12-7-11-9-6-4-3-5-8(9)10(12)13/h3-7H,2H2,1H3
**InchiKey:** BMFONNKQZRYQSO-UHFFFAOYSA-N
**Formula:** C10H10N2O
**SMILES:** CCn1cnc2ccccc2c1=O
**Mol. weight [g/mol]:** 174.20
**CAS:** 3476-65-1

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| log10ws | -2.73 | | Crippen Method |
| logp | 1.416 | | Crippen Method |
| mcvol | 134.370 | ml/mol | McGowan Method |
| rinpol | 1664.00 | | NIST Webbook |
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| rinpol | 1664.00 | | NIST Webbook |

## 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=C3476651&Units=SI

## Legend

**log10ws:** Log10 of Water solubility in mol/l
**logp:** Octanol/Water partition coefficient
**mcvol:** McGowan's characteristic volume
**rinpol:** Non-polar retention indices