# Oxazole, 5-ethyl-2,4-dimethyl

**Other names:** 2,4-dimethyl-5-ethyloxazole
Oxazole, 2,4-dimethyl-5-ethyl
**Inchi:** InChI=1S/C7H11NO/c1-4-7-5(2)8-6(3)9-7/h4H2,1-3H3
**InchiKey:** XOOCKFZHDAFKNK-UHFFFAOYSA-N
**Formula:** C7H11NO
**SMILES:** CCc1oc(C)nc1C
**Mol. weight [g/mol]:** 125.17

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| log10ws | -6.73 | | Crippen Method |
| logp | 1.854 | | Crippen Method |
| mcvol | 105.880 | ml/mol | McGowan Method |
| rinpol | 907.00 | | NIST Webbook |
| rinpol | 923.00 | | NIST Webbook |
| rinpol | 923.00 | | NIST Webbook |
| rinpol | 926.00 | | NIST Webbook |
| rinpol | 907.00 | | NIST Webbook |
| ripol | 1248.00 | | NIST Webbook |
| ripol | 1247.00 | | NIST Webbook |
| ripol | 1252.00 | | NIST Webbook |
| ripol | 1252.00 | | NIST Webbook |
| ripol | 1260.00 | | NIST Webbook |
| ripol | 1252.00 | | NIST Webbook |

## Sources

**NIST Webbook:** http://webbook.nist.gov/cgi/cbook.cgi?ID=R46114&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 |
| **rinpol:** | Non-polar retention indices |
| **ripol:** | Polar retention indices |