# Piperidine, 1,4-dimethyl-

**Other names:** 1,4-Dimethylpiperidine
**Inchi:** InChI=1S/C7H15N/c1-7-3-5-8(2)6-4-7/h7H,3-6H2,1-2H3
**InchiKey:** TVSMLBGFGKLKOO-UHFFFAOYSA-N
**Formula:** C7H15N
**SMILES:** CC1CCN(C)CC1
**Mol. weight [g/mol]:** 113.20
**CAS:** 695-15-8

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| ie | 7.79 ± 0.05 | eV | NIST Webbook |
| log10ws | -0.98 | | Crippen Method |
| logp | 1.348 | | Crippen Method |
| mcvol | 108.610 | ml/mol | McGowan Method |
| rinpol | 831.00 | | NIST Webbook |
| rinpol | 820.00 | | NIST Webbook |
| ripol | 970.00 | | NIST Webbook |

## 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=C695158&Units=SI
**Crippen Method:** http://pubs.acs.org/doi/abs/10.1021/ci990307l

## Legend

**ie:** Ionization energy
**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