# 2-Acetyl-5-methylpyridine

**Inchi:** InChI=1S/C8H9NO/c1-6-3-4-8(7(2)10)9-5-6/h3-5H,1-2H3
**InchiKey:** SBFBKLLKNHMBOH-UHFFFAOYSA-N
**Formula:** C8H9NO
**SMILES:** CC(=O)c1ccc(C)cn1
**Mol. weight [g/mol]:** 135.16

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| log10ws | -2.37 | | Crippen Method |
| logp | 1.593 | | Crippen Method |
| mcvol | 111.370 | ml/mol | McGowan Method |
| ripol | 1716.00 | | NIST Webbook |
| ripol | 1717.00 | | NIST Webbook |
| ripol | 1719.00 | | NIST Webbook |
| ripol | 1715.00 | | NIST Webbook |
| ripol | 1715.00 | | NIST Webbook |
| ripol | 1716.00 | | NIST Webbook |

## Sources

**McGowan Method:** http://link.springer.com/article/10.1007/BF02311772
**NIST Webbook:** http://webbook.nist.gov/cgi/cbook.cgi?ID=R533061&Units=SI
**Crippen Method:** http://pubs.acs.org/doi/abs/10.1021/ci990307l
**Crippen Method:** https://www.chemeo.com/doc/models/crippen_log10ws

## Legend

**log10ws:** Log10 of Water solubility in mol/l
**logp:** Octanol/Water partition coefficient
**mcvol:** McGowan's characteristic volume
**ripol:** Polar retention indices

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