

# 2-Acetyl-4,6-dimethylpyridine

**Inchi:** InChI=1S/C9H11NO/c1-6-4-7(2)10-9(5-6)8(3)11/h4-5H,1-3H3  
**InchiKey:** IWZFETYQIYPLIE-UHFFFAOYSA-N  
**Formula:** C9H11NO  
**SMILES:** CC(=O)c1cc(C)cc(C)n1  
**Mol. weight [g/mol]:** 149.19

## Physical Properties

Property code	Value	Unit	Source
log10ws	-2.85		Crippen Method
logp	1.901		Crippen Method
mcvol	125.460	ml/mol	McGowan Method
ripol	1720.00		NIST Webbook
ripol	1721.00		NIST Webbook
ripol	1724.00		NIST Webbook
ripol	1720.00		NIST Webbook

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=R533056&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](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  
**ripol:** Polar retention indices

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