

# Pyridine, 2-acetyl-4-(1-methylethyl)

**Inchi:** InChI=1S/C10H13NO/c1-7(2)9-4-5-11-10(6-9)8(3)12/h4-7H,1-3H3  
**InchiKey:** BWJDKYNJXZATRV-UHFFFAOYSA-N  
**Formula:** C10H13NO  
**SMILES:** CC(=O)c1cc(C(C)C)ccn1  
**Mol. weight [g/mol]:** 163.22

## Physical Properties

Property code	Value	Unit	Source
log10ws	-3.08		Crippen Method
logp	2.408		Crippen Method
mcvol	139.550	ml/mol	McGowan Method
rinpol	1260.00		NIST Webbook
rinpol	1261.00		NIST Webbook
rinpol	1260.00		NIST Webbook

## Sources

**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>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=R68633&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

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