

# 1-Acetyl-4-methylpiperazine

**Inchi:** InChI=1S/C7H14N2O/c1-7(10)9-5-3-8(2)4-6-9/h3-6H2,1-2H3  
**InchiKey:** YSDBJKNOEWSFGA-UHFFFAOYSA-N  
**Formula:** C7H14N2O  
**SMILES:** CC(=O)N1CCN(C)CC1  
**Mol. weight [g/mol]:** 142.20  
**CAS:** 60787-05-5

## Physical Properties

Property code	Value	Unit	Source
log10ws	0.44		Crippen Method
logp	-0.220		Crippen Method
mcvol	120.160	ml/mol	McGowan Method
rinpola	1288.00		NIST Webbook
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## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C60787055&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307l>  
**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  
**rinpola:** Non-polar retention indices

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