

# 4,5-Dimethyl-2-formylfuran

**Inchi:** InChI=1S/C7H8O2/c1-5-3-7(4-8)9-6(5)2/h3-4H,1-2H3  
**InchiKey:** JPTPEPVCVXGNJM-UHFFFAOYSA-N  
**Formula:** C7H8O2  
**SMILES:** Cc1cc(C=O)oc1C  
**Mol. weight [g/mol]:** 124.14

## Physical Properties

Property code	Value	Unit	Source
log10ws	-6.40		Crippen Method
logp	1.709		Crippen Method
mcvol	97.470	ml/mol	McGowan Method
rinpol	1078.00		NIST Webbook
rinpol	1078.00		NIST Webbook
rinpol	1078.00		NIST Webbook

## Sources

**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=R614878&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

## 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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