

# 1-(5-methyl-2-furanyl)-1,2-propandione

**Other names:** 1-(5-methyl-2-furyl)propane-1,2-dione  
**Inchi:** InChI=1S/C8H8O3/c1-6-2-3-8(11-6)4-7(10)5-9/h2-3,5H,4H2,1H3  
**InchiKey:** SNZHDDIHWUADMV-UHFFFAOYSA-N  
**Formula:** C8H8O3  
**SMILES:** Cc1ccc(CC(=O)C=O)o1  
**Mol. weight [g/mol]:** 152.15  
**CAS:** 1197-20-2

## Physical Properties

Property code	Value	Unit	Source
log10ws	-5.46		Crippen Method
logp	0.899		Crippen Method
mcvol	113.130	ml/mol	McGowan Method
ripol	1847.00		NIST Webbook
ripol	1847.00		NIST Webbook

## Sources

**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>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C1197202&Units=SI>

## 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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