

# Furan, 2-decanoyl

**Inchi:** InChI=1S/C14H22O2/c1-2-3-4-5-6-7-8-10-13(15)14-11-9-12-16-14/h9,11-12H,2-8,10H2,  
**InchiKey:** RPZFIMHVHRPTRD-UHFFFAOYSA-N  
**Formula:** C14H22O2  
**SMILES:** CCCCCCCCCC(=O)c1ccco1  
**Mol. weight [g/mol]:** 222.32

## Physical Properties

Property code	Value	Unit	Source
log10ws	-9.21		Crippen Method
logp	4.603		Crippen Method
mcvol	196.100	ml/mol	McGowan Method
rinpol	1689.00		NIST Webbook
rinpol	1689.00		NIST Webbook
ripol	2264.00		NIST Webbook
ripol	2264.00		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=R409864&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  
**ripol:** Polar retention indices

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