

# 2-Propen-1-one, 3-(2-furanyl)-1-phenyl-

<b>Other names:</b>	Acrylophenone, 3-(2-furyl)- Furfurylideneacetophenone 3-(2-Furyl)acrylophenone Furfural acetophenone
<b>Inchi:</b>	InChI=1S/C13H10O2/c14-13(11-5-2-1-3-6-11)9-8-12-7-4-10-15-12/h1-10H/b9-8+
<b>InchiKey:</b>	BVAGSGSYUAOFPJ-CMDGGOBGSA-N
<b>Formula:</b>	C13H10O2
<b>SMILES:</b>	<chem>O=C(C=Cc1ccco1)c1ccccc1</chem>
<b>Mol. weight [g/mol]:</b>	198.22
<b>CAS:</b>	717-21-5

## Physical Properties

Property code	Value	Unit	Source
log10ws	-7.92		Crippen Method
logp	3.176		Crippen Method
mcvol	153.950	ml/mol	McGowan Method

## Sources

<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C717215&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C717215&amp;Units=SI</a>

## Legend

<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume

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