

# Furan, 3-phenyl-

<b>Other names:</b>	3-Phenyfuran
<b>Inchi:</b>	InChI=1S/C10H8O/c1-2-4-9(5-3-1)10-6-7-11-8-10/h1-8H
<b>InchiKey:</b>	BNANPEQZOWHZKY-UHFFFAOYSA-N
<b>Formula:</b>	C10H8O
<b>SMILES:</b>	<chem>c1ccc(-c2ccoc2)cc1</chem>
<b>Mol. weight [g/mol]:</b>	144.17
<b>CAS:</b>	13679-41-9

## Physical Properties

Property code	Value	Unit	Source
log10ws	-7.81		Crippen Method
logp	2.947		Crippen Method
mcvol	114.410	ml/mol	McGowan Method
ripol	1193.00		NIST Webbook
ripol	1194.00		NIST Webbook
ripol	1193.00		NIST Webbook
ripol	1224.00		NIST Webbook
ripol	1224.00		NIST Webbook
ripol	1225.00		NIST Webbook
ripol	1228.00		NIST Webbook
ripol	1238.00		NIST Webbook
ripol	1226.80		NIST Webbook
ripol	1238.00		NIST Webbook
ripol	1225.10		NIST Webbook
ripol	1208.00		NIST Webbook
ripol	1830.00		NIST Webbook
ripol	1880.00		NIST Webbook
ripol	1828.00		NIST Webbook
ripol	1859.00		NIST Webbook
ripol	1872.00		NIST Webbook
ripol	1839.00		NIST Webbook

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Crippen Method:** [https://www.cheméo.com/doc/models/crippen\\_log10ws](https://www.cheméo.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=C13679419&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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