

# 2-methyl-5-[(methylthio)methyl]furan

**Inchi:** InChI=1S/C7H10OS/c1-6-3-4-7(8-6)5-9-2/h3-4H,5H2,1-2H3  
**InchiKey:** WFHOSUSADRVYLU-UHFFFAOYSA-N  
**Formula:** C7H10OS  
**SMILES:** CSCc1ccc(C)o1  
**Mol. weight [g/mol]:** 142.22  
**CAS:** 13679-60-2

## Physical Properties

Property code	Value	Unit	Source
log10ws	-6.86		Crippen Method
logp	2.451		Crippen Method
mcvol	112.250	ml/mol	McGowan Method
rinpol	1080.00		NIST Webbook
rinpol	1080.00		NIST Webbook
ripol	1531.00		NIST Webbook
ripol	1531.00		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=C13679602&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  
**ripol:** Polar retention indices

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