

# Thiazole, 2-butyl

**Other names:** 2-butylthiazole  
**Inchi:** InChI=1S/C7H11NS/c1-2-3-4-7-8-5-6-9-7/h5-6H,2-4H2,1H3  
**InchiKey:** QOJMQILDLLFGEE-UHFFFAOYSA-N  
**Formula:** C7H11NS  
**SMILES:** CCCCC1nccs1  
**Mol. weight [g/mol]:** 141.23  
**CAS:** 37645-61-7

## Physical Properties

Property code	Value	Unit	Source
log10ws	-2.63		Crippen Method
logp	2.486		Crippen Method
mcvol	116.360	ml/mol	McGowan Method
rinpol	1070.00		NIST Webbook
rinpol	1070.00		NIST Webbook
ripol	1480.00		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=C37645617&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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