

# 2-methyl-4-butyloxazole

**Other names:** 4-n-butyl-2-methyloxazole  
**Inchi:** InChI=1S/C8H13NO/c1-3-4-5-8-6-10-7(2)9-8/h6H,3-5H2,1-2H3  
**InchiKey:** WLQJVRMHBOMLBM-UHFFFAOYSA-N  
**Formula:** C8H13NO  
**SMILES:** CCCCc1coc(C)n1  
**Mol. weight [g/mol]:** 139.19

## Physical Properties

Property code	Value	Unit	Source
log10ws	-7.09		Crippen Method
logp	2.326		Crippen Method
mcvol	119.970	ml/mol	McGowan Method
rinpol	993.00		NIST Webbook
ripol	1291.00		NIST Webbook
ripol	1291.00		NIST Webbook
ripol	1291.00		NIST Webbook

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**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=R161394&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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