

# Butyl azide

**Inchi:** InChI=1S/C4H11N3/c1-2-3-4-6-7-5/h5,7H,2-4H2,1H3  
**InchiKey:** WAJLPFJGHTWVKO-UHFFFAOYSA-N  
**Formula:** C4H11N3  
**SMILES:** CCCC[N]N[NH]  
**Mol. weight [g/mol]:** 101.15

## Physical Properties

Property code	Value	Unit	Source
log10ws	9.24		Crippen Method
logp	0.093		Crippen Method
mcvol	92.860	ml/mol	McGowan Method
rinpol	746.00		NIST Webbook
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## 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=R511427&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307l>

## Legend

**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient  
**mcvol:** McGowan's characteristic volume  
**rinpol:** Non-polar retention indices

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