

# Butane, 2-azido-2,3,3-trimethyl-

**Other names:** 2-Azido-2,3,3-trimethylbutane  
**Inchi:** InChI=1S/C7H15N3/c1-6(2,3)7(4,5)9-10-8/h1-5H3  
**InchiKey:** YMELIJLHJQVPSW-UHFFFAOYSA-N  
**Formula:** C7H15N3  
**SMILES:** CC(C)(C)C(C)(C)N=[N+]=[N-]  
**Mol. weight [g/mol]:** 141.21  
**CAS:** 51677-41-9

## Physical Properties

Property code	Value	Unit	Source
log10ws	-7.71		Crippen Method
logp	3.121		Crippen Method
mcvol	130.830	ml/mol	McGowan Method
ripol	1568.00		NIST Webbook

## Sources

**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C51677419&Units=SI>  
**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)

## Legend

**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient  
**mcvol:** McGowan's characteristic volume  
**ripol:** Polar retention indices

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