

# N-(6-Methoxy-1,3-benzothiazol-2-yl)acetamide

**Other names:** N-(6-Methoxy-benzothiazol-2-yl)-acetamide  
**Inchi:** InChI=1S/C10H10N2O2S/c1-6(13)11-10-12-8-4-3-7(14-2)5-9(8)15-10/h3-5H,1-2H3,(H,1  
**InchiKey:** ZLUZZGHIYZIXRE-UHFFFAOYSA-N  
**Formula:** C10H10N2O2S  
**SMILES:** COc1ccc2nc(NC(C)=O)sc2c1  
**Mol. weight [g/mol]:** 222.26

## Physical Properties

Property code	Value	Unit	Source
log10ws	-3.12		Crippen Method
logp	2.263		Crippen Method
mcvol	156.590	ml/mol	McGowan Method
rinpol	2243.00		NIST Webbook
rinpol	2243.00		NIST Webbook

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=U373132&Units=SI>  
**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>

## 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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