

# Acetazolamide tri-methyl derivative

<b>Other names:</b>	Acetazolamide, trimethyl deriv. Acetazolamide, trimethyl
<b>Inchi:</b>	InChI=1S/C7H12N4O3S2/c1-5(12)11(4)6-8-9-7(15-6)16(13,14)10(2)3/h1-4H3
<b>InchiKey:</b>	DCRPUDKKDYZYAB-UHFFFAOYSA-N
<b>Formula:</b>	C7H12N4O3S2
<b>SMILES:</b>	CC(=O)N(C)c1nnc(S(=O)(=O)N(C)C)s1
<b>Mol. weight [g/mol]:</b>	264.32

## Physical Properties

Property code	Value	Unit	Source
log10ws	-0.53		Crippen Method
logp	-0.229		Crippen Method
mcvol	175.960	ml/mol	McGowan Method

## Sources

<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=U137183&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U137183&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>

## Legend

<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume

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<https://www.chemeo.com/cid/64-176-6/Acetazolamide-tri-methyl-derivative.pdf>

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