

# 2H-Benzimidazole-2-thione,1,3-dihydro-1,3-dimeth

<b>Inchi:</b>	InChI=1S/C9H10N2S/c1-10-7-5-3-4-6-8(7)11(2)9(10)12/h3-6H,1-2H3
<b>InchiKey:</b>	CSYLYUAMXUGIFE-UHFFFAOYSA-N
<b>Formula:</b>	C9H10N2S
<b>SMILES:</b>	Cn1c(=S)n(C)c2ccccc21
<b>Mol. weight [g/mol]:</b>	178.25
<b>CAS:</b>	3418-46-0

## Physical Properties

Property code	Value	Unit	Source
log10ws	-6.70		Crippen Method
logp	2.246		Crippen Method
mcvol	135.060	ml/mol	McGowan Method

## Sources

<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>
<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=C3418460&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C3418460&amp;Units=SI</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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