

# 2(3H)-Benzothiazolone, 3-methyl-, hydrazone

<b>Other names:</b>	2-Benzothiazolone, 3-methyl-, hydrazone Besthorn's hydrazone MBTH 3-Methyl-2-benzothiazolone hydrazone 2-Benzothiazolinone, 3-methyl-, hydrazone Benzothiazol-2(3H)-one, 3-methyl-, hydrazone 3-methylbenzothiazol-2(3H)-one hydrazone
<b>Inchi:</b>	InChI=1S/C8H9N3S/c1-11-6-4-2-3-5-7(6)12-8(11)10-9/h2-5H,9H2,1H3
<b>InchiKey:</b>	PHOLIFLKGONSGY-UHFFFAOYSA-N
<b>Formula:</b>	C8H9N3S
<b>SMILES:</b>	Cn1c(=NN)sc2ccccc21
<b>Mol. weight [g/mol]:</b>	179.24
<b>CAS:</b>	1128-67-2

## Physical Properties

Property code	Value	Unit	Source
log10ws	-3.99		Crippen Method
logp	1.014		Crippen Method
mvol	130.950	ml/mol	McGowan Method

## Sources

<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=C1128672&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C1128672&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>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>

## Legend

<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient

**mcvol:** McGowan's characteristic volume

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