

# Thiazole, 2-methyl-4-phenyl-

<b>Other names:</b>	2-methyl-4-phenylthiazole
<b>Inchi:</b>	InChI=1S/C10H9NS/c1-8-11-10(7-12-8)9-5-3-2-4-6-9/h2-7H,1H3
<b>InchiKey:</b>	XROORURTAQOYLW-UHFFFAOYSA-N
<b>Formula:</b>	C10H9NS
<b>SMILES:</b>	<chem>Cc1nc(-c2ccccc2)cs1</chem>
<b>Mol. weight [g/mol]:</b>	175.25
<b>CAS:</b>	1826-16-0

## Physical Properties

Property code	Value	Unit	Source
log10ws	-4.07		Crippen Method
logp	3.119		Crippen Method
mcvol	134.870	ml/mol	McGowan Method
ripol	2279.00		NIST Webbook
ripol	2279.00		NIST Webbook

## 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=C1826160&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C1826160&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
<b>mcvol:</b>	McGowan's characteristic volume
<b>ripol:</b>	Polar retention indices

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