

# Thiazole, 2,5-dimethyl-

<b>Other names:</b>	2,5-Dimethylthiazole 2,5-Dimethyl-1,3-thiazole
<b>Inchi:</b>	InChI=1S/C5H7NS/c1-4-3-6-5(2)7-4/h3H,1-2H3
<b>InchiKey:</b>	WVUHHPQQQLBMOE-UHFFFAOYSA-N
<b>Formula:</b>	C5H7NS
<b>SMILES:</b>	Cc1cnc(C)s1
<b>Mol. weight [g/mol]:</b>	113.18
<b>CAS:</b>	4175-66-0

## Physical Properties

Property code	Value	Unit	Source
log10ws	-1.95		Crippen Method
logp	1.760		Crippen Method
mcvol	88.180	ml/mol	McGowan Method
ripol	908.00		NIST Webbook
ripol	887.00		NIST Webbook
ripol	922.00		NIST Webbook
ripol	922.00		NIST Webbook
ripol	934.00		NIST Webbook
ripol	915.00		NIST Webbook
ripol	908.00		NIST Webbook
ripol	868.00		NIST Webbook
ripol	899.00		NIST Webbook
ripol	868.00		NIST Webbook
ripol	922.00		NIST Webbook
ripol	1324.00		NIST Webbook
ripol	1291.00		NIST Webbook
ripol	1324.00		NIST Webbook
ripol	1354.00		NIST Webbook
ripol	1326.00		NIST Webbook
ripol	1326.00		NIST Webbook
ripol	1347.00		NIST Webbook
ripol	1365.00		NIST Webbook
ripol	1368.00		NIST Webbook
ripol	1354.00		NIST Webbook
ripol	1326.00		NIST Webbook
ripol	1324.00		NIST Webbook

# Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	359.20	K	11.00	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=C4175660&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C4175660&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>rinpol:</b>	Non-polar retention indices
<b>ripol:</b>	Polar retention indices
<b>tbrp:</b>	Boiling point at reduced pressure

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