

# Pyridine, 2,3,5,6-tetramethyl-

Other names:	2,3,5,6-tetramethylpyridine
Inchi:	InChI=1S/C9H13N/c1-6-5-7(2)9(4)10-8(6)3/h5H,1-4H3
InchiKey:	ZAAVUWIYUMVQJG-UHFFFAOYSA-N
Formula:	C9H13N
SMILES:	Cc1cc(C)c(C)nc1C
Mol. weight [g/mol]:	135.21
CAS:	3748-84-3

## Physical Properties

Property code	Value	Unit	Source
log10ws	-3.14		Crippen Method
logp	2.315		Crippen Method
mcvol	123.890	ml/mol	McGowan Method
rinpol	1125.00		NIST Webbook
rinpol	1125.00		NIST Webbook
ripol	1530.00		NIST Webbook
tb	470.70	K	NIST Webbook

## Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	404.20	K	13.30	NIST Webbook

## Correlations

Information	Value
Property code	pvap
Equation	$\ln(P_{vp}) = A + B/(T + C)$
Coeff. A	1.47802e+01
Coeff. B	-4.05147e+03
Coeff. C	-7.20050e+01

Temperature range (K), min.	351.56
Temperature range (K), max.	499.89

## 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=C3748843&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C3748843&amp;Units=SI</a>
<b>The Yaws Handbook of Vapor Pressure:</b>	<a href="https://www.sciencedirect.com/book/9780128029992/the-yaws-handbook-of-vapor-pressure">https://www.sciencedirect.com/book/9780128029992/the-yaws-handbook-of-vapor-pressure</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307I">http://pubs.acs.org/doi/abs/10.1021/ci990307I</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>pvap:</b>	Vapor pressure
<b>rinpolar:</b>	Non-polar retention indices
<b>ripolar:</b>	Polar retention indices
<b>tb:</b>	Normal Boiling Point Temperature
<b>tbrp:</b>	Boiling point at reduced pressure

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