

# Quinoline, 2,3-dimethyl-

<b>Other names:</b>	2,3-Dimethylquinoline
<b>Inchi:</b>	InChI=1S/C11H11N/c1-8-7-10-5-3-4-6-11(10)12-9(8)2/h3-7H,1-2H3
<b>InchiKey:</b>	FBOFHVFMPNNIKN-UHFFFAOYSA-N
<b>Formula:</b>	C11H11N
<b>SMILES:</b>	Cc1cc2ccccc2nc1C
<b>Mol. weight [g/mol]:</b>	157.21
<b>CAS:</b>	1721-89-7

## Physical Properties

Property code	Value	Unit	Source
log10ws	-3.99		Crippen Method
logp	2.852		Crippen Method
mcvol	132.610	ml/mol	McGowan Method
ripol	1443.00		NIST Webbook
ripol	1427.00		NIST Webbook
ripol	1443.00		NIST Webbook
ripol	1427.00		NIST Webbook
ripol	1427.00		NIST Webbook
ripol	2066.00		NIST Webbook
ripol	2066.00		NIST Webbook
ripol	2090.00		NIST Webbook
ripol	2066.00		NIST Webbook
ripol	2090.00		NIST Webbook
ripol	2090.00		NIST Webbook
ripol	2066.00		NIST Webbook
ripol	2090.00		NIST Webbook

## Correlations

Information	Value
Property code	pvap
Equation	$\ln(P_{vp}) = A + B/(T + C)$
Coeff. A	1.37587e+01
Coeff. B	-4.11164e+03

Coeff. C	-9.02000e+01
Temperature range (K), min.	395.42
Temperature range (K), max.	576.95

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C1721897&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C1721897&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/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
<b>Crippen Method:</b>	<a href="https://www.cheméo.com/doc/models/crippen_log10ws">https://www.cheméo.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>

## 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>rinpol:</b>	Non-polar retention indices
<b>ripol:</b>	Polar retention indices

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