

# Quinoline, 5-methyl-

Other names:	5-Methylquinoline
Inchi:	InChI=1S/C10H9N/c1-8-4-2-6-10-9(8)5-3-7-11-10/h2-7H,1H3
InchiKey:	LMYVCXSKCQSIEQ-UHFFFAOYSA-N
Formula:	C10H9N
SMILES:	Cc1cccc2ncccc12
Mol. weight [g/mol]:	143.19
CAS:	7661-55-4

## Physical Properties

Property code	Value	Unit	Source
log10ws	-3.52		Crippen Method
logp	2.543		Crippen Method
mcvol	118.520	ml/mol	McGowan Method
ripol	1307.00		NIST Webbook
ripol	1355.00		NIST Webbook
ripol	1355.00		NIST Webbook
ripol	2025.00		NIST Webbook
ripol	2054.00		NIST Webbook
ripol	2025.00		NIST Webbook
ripol	2054.00		NIST Webbook
ripol	2054.00		NIST Webbook
ripol	2025.00		NIST Webbook
tb	531.00 ± 2.00	K	NIST Webbook

## Correlations

Information	Value
Property code	pvap
Equation	$\ln(P_{vp}) = A + B/(T + C)$
Coeff. A	1.41490e+01
Coeff. B	-4.20908e+03
Coeff. C	-8.93660e+01
Temperature range (K), min.	393.02
Temperature range (K), max.	565.64

# Sources

<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.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>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C7661554&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C7661554&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>

# 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
<b>tb:</b>	Normal Boiling Point Temperature

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