

# Quinoline, 3-ethyl-

Other names:	3-Ethylquinoline
Inchi:	InChI=1S/C11H11N/c1-2-9-7-10-5-3-4-6-11(10)12-8-9/h3-8H,2H2,1H3
InchiKey:	WLWBKLRABGNIU-UHFFFAOYSA-N
Formula:	C11H11N
SMILES:	CCc1cnc2ccccc2c1
Mol. weight [g/mol]:	157.21
CAS:	1873-54-7

## Physical Properties

Property code	Value	Unit	Source
log10ws	-3.84		Crippen Method
logp	2.797		Crippen Method
mcvol	132.610	ml/mol	McGowan Method

## Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	409.70	K	1.60	NIST Webbook

## Correlations

Information	Value
Property code	pvap
Equation	$\ln(P_{vp}) = A + B/(T + C)$
Coeff. A	1.39606e+01
Coeff. B	-4.19469e+03
Coeff. C	-9.10340e+01
Temperature range (K), min.	397.82
Temperature range (K), max.	576.02

# 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=C1873547&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C1873547&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>tbrp:</b>	Boiling point at reduced pressure

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