

Pyridine, 2,3,6-trimethyl-

Other names:	2,3,6-Collidine 2,3,6-Trimethylpyridine
Inchi:	InChI=1S/C8H11N/c1-6-4-5-7(2)9-8(6)3/h4-5H,1-3H3
InchiKey:	UTBIMNXEDGNJFE-UHFFFAOYSA-N
Formula:	C8H11N
SMILES:	Cc1ccc(C)c(C)n1
Mol. weight [g/mol]:	121.18
CAS:	1462-84-6

Physical Properties

Property code	Value	Unit	Source
hvap	50.62	kJ/mol	NIST Webbook
log10ws	-2.66		Crippen Method
logp	2.007		Crippen Method
mcvol	109.800	ml/mol	McGowan Method
rinpol	1009.00		NIST Webbook
rinpol	989.40		NIST Webbook
rinpol	1000.50		NIST Webbook
rinpol	1000.50		NIST Webbook
rinpol	1002.00		NIST Webbook
rinpol	1005.00		NIST Webbook
rinpol	1017.00		NIST Webbook
rinpol	1009.00		NIST Webbook
rinpol	1003.00		NIST Webbook
rinpol	989.40		NIST Webbook
rinpol	161.86		NIST Webbook
ripol	1401.00		NIST Webbook
ripol	1366.00		NIST Webbook
ripol	1401.00		NIST Webbook
ripol	1366.00		NIST Webbook
tb	444.70	K	NIST Webbook
tc	654.50	K	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpl	220.00	J/mol×K	300.60	NIST Webbook
hvapt	39.95	kJ/mol	444.70	NIST Webbook
hvapt	48.50	kJ/mol	328.00	NIST Webbook
hvapt	47.50	kJ/mol	343.00	NIST Webbook
hvapt	45.70	kJ/mol	368.00	NIST Webbook

Correlations

Information	Value
Property code	pvap
Equation	$\ln(P_{vp}) = A + B/(T + C)$
Coeff. A	1.39642e+01
Coeff. B	-3.63811e+03
Coeff. C	-6.47900e+01
Temperature range (K), min.	330.80
Temperature range (K), max.	485.25

Sources

The Yaws Handbook of Vapor

Pressure:
Crippen Method:

Crippen Method:

McGowan Method:

NIST Webbook:

<https://www.sciencedirect.com/book/9780128029992/the-yaws-handbook-of-vapor-pressure>

<http://pubs.acs.org/doi/abs/10.1021/ci990307l>

https://www.chemeo.com/doc/models/crippen_log10ws

<http://link.springer.com/article/10.1007/BF02311772>

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C1462846&Units=SI>

Legend

cpl: Liquid phase heat capacity

hvap: Enthalpy of vaporization at standard conditions

hvapt: Enthalpy of vaporization at a given temperature

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pvap:	Vapor pressure
rinpol:	Non-polar retention indices
ripol:	Polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature

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