

Pyridine, 2-propyl-

Other names:	1-(2-Pyridyl)propane
	2-(C3H7)-pyridine
	2-Propylpyridine
	2-n-Propylpyridine
	Conyrin
	Conyrine
Inchi:	InChI=1S/C8H11N/c1-2-5-8-6-3-4-7-9-8/h3-4,6-7H,2,5H2,1H3
InchiKey:	OIALIKXMLIAOSN-UHFFFAOYSA-N
Formula:	C8H11N
SMILES:	CCCC1CCCCN1
Mol. weight [g/mol]:	121.18
CAS:	622-39-9

Physical Properties

Property code	Value	Unit	Source
affp	955.70	kJ/mol	NIST Webbook
basg	923.80		NIST Webbook
log10ws	-2.46	ml/mol	Crippen Method
logp	2.034		Crippen Method
mcvol	109.800		McGowan Method
rinpol	1013.00		NIST Webbook
rinpol	980.00		NIST Webbook
rinpol	960.00		NIST Webbook
rinpol	961.00		NIST Webbook
rinpol	976.50		NIST Webbook
rinpol	976.50		NIST Webbook
rinpol	976.50		NIST Webbook
rinpol	977.00		NIST Webbook
rinpol	998.00		NIST Webbook
rinpol	1005.00		NIST Webbook
rinpol	1013.00		NIST Webbook
ripol	1367.00		NIST Webbook
ripol	1364.00		NIST Webbook
ripol	1369.00		NIST Webbook
ripol	1367.00		NIST Webbook
tb	443.20	K	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	46.60	kJ/mol	391.50	NIST Webbook

Correlations

Information	Value
Property code	pvap
Equation	$\ln(P_{vp}) = A + B/(T + C)$
Coeff. A	1.44531e+01
Coeff. B	-3.73414e+03
Coeff. C	-6.35120e+01
Temperature range (K), min.	327.12
Temperature range (K), max.	471.99

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=C622399&Units=SI>

Legend

affp:	Proton affinity
basg:	Gas basicity
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

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