Pyridine, 2,3,5-trimethyl-

Other names: 2,3,5-Collidine
2,3,5-Trimethylpyridine
Inchi: InChI=1S/C8H11N/c1-6-4-7(2)8(3)9-5-6/h4-5H,1-3H3
InchiKey: GFYHSKONPJXCDE-UHFFFAOYSA-N
Formula: C8H11N
SMILES: Cc1cnc(C)c(C)c1
Mol. weight [g/mol]: 121.18
CAS: 695-98-7

Physical Properties

Property code	Value	Unit	Source
log10ws	-2.66		Crippen Method
logp	2.007		Crippen Method
mcvol	109.800	ml/mol	McGowan Method
rinpol	1055.00		NIST Webbook
rinpol	1076.00		NIST Webbook
rinpol	1045.20		NIST Webbook
rinpol	1060.00		NIST Webbook
ripol	1484.00		NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	44.00	kJ/mol	359.50	NIST Webbook

Correlations

Information	Value
Property code	pvap
Equation	ln(Pvp) = A + B/(T + C)
Coeff. A	1.50295e+01

Coeff. B	-4.01690e+03
Coeff. C	-6.82380e+01
Temperature range (K), min.	340.72
Temperature range (K), max.	481.58

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C695987&Units=SI
The Yaws Handbook of Vapor Pressure:	https://www.sciencedirect.com/book/9780128029992/the-yaws-handbook-of-vapor-pressure
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

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