4-(3-Pentyl)pyridine

Other names:	4-(1-Ethylpropyl)pyridine
	Pyridine, 4-(1-ethylpropyl)-
Inchi:	InChI=1S/C10H15N/c1-3-9(4-2)10-5-7-11-8-6-10/h5-9H,3-4H2,1-2H3
InchiKey:	YHXYCIZBTSECRP-UHFFFAOYSA-N
Formula:	C10H15N
SMILES:	CCC(CC)c1ccncc1
Mol. weight [g/mol]:	149.23
CAS:	35182-51-5

Physical Properties

Property code	Value	Unit	Source
log10ws	-3.26		Crippen Method
logp	2.985		Crippen Method
mcvol	137.980	ml/mol	McGowan Method

Correlations

Information	Value
Property code	pvap
Equation	ln(Pvp) = A + B/(T + C)
Coeff. A	1.39650e+01
Coeff. B	-3.93561e+03
Coeff. C	-7.74120e+01
Temperature range (K), min.	365.16
Temperature range (K), max.	532.21

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C35182515&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
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pvap:	Vapor pressure

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