Pyridine, 2,6-bis(1,1-dimethylethyl)-

Other names:	2,6-di-tert-Butylpyridine
	2,6-di-t-Butylpyridine
	Pyridine, 2,6-di-tert-butyl-
	2,6-(t-C4H9)2-pyridine
Inchi:	InChI=1S/C13H21N/c1-12(2,3)10-8-7-9-11(14-10)13(4,5)6/h7-9H,1-6H3
InchiKey:	UWKQJZCTQGMHKD-UHFFFAOYSA-N
Formula:	C13H21N
SMILES:	CC(C)(C)c1cccc(C(C)(C)C)n1
Mol. weight [g/mol]:	191.31
CAS:	585-48-8

Physical Properties

Property code	Value	Unit	Source
affp	982.90	kJ/mol	NIST Webbook
basg	951.00	kJ/mol	NIST Webbook
hvap	56.60 ± 1.20	kJ/mol	NIST Webbook
log10ws	-3.86		Crippen Method
logp	3.677		Crippen Method
mcvol	180.250	ml/mol	McGowan Method

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	373.70	K	3.10	NIST Webbook

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=C585488&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

affp:	Proton affinity
basg:	Gas basicity
hvap:	Enthalpy of vaporization at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tbrp:	Boiling point at reduced pressure

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