

2,5-Dimethylimidazo(1,2-a)pyridine

Inchi: InChI=1S/C9H10N2/c1-7-6-11-8(2)4-3-5-9(11)10-7/h3-6H,1-2H3
InchiKey: MDYLCICXTKMFEI-UHFFFAOYSA-N
Formula: C9H10N2
SMILES: Cc1cn2c(C)cccc2n1
Mol. weight [g/mol]: 146.19
CAS: 6188-30-3

Physical Properties

Property code	Value	Unit	Source
affp	996.40	kJ/mol	NIST Webbook
basg	964.50	kJ/mol	NIST Webbook
log10ws	-3.15		Crippen Method
logp	1.951		Crippen Method
mcvol	118.710	ml/mol	McGowan Method

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=C6188303&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

Legend

affp: Proton affinity
basg: Gas basicity
log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient
mcvol: McGowan's characteristic volume

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