5-Methylimidazo(1,2-a)pyridine

Inchi: InChI=1S/C8H8N2/c1-7-3-2-4-8-9-5-6-10(7)8/h2-6H,1H3
InchiKey: YFSMYPDRRLSNTH-UHFFFAOYSA-N
Formula: C8H8N2
SMILES: Cc1cccc2nccn12
Mol. weight [g/mol]: 132.16
CAS: 933-69-7

Physical Properties

Property code	Value	Unit	Source
affp	987.40	kJ/mol	NIST Webbook
basg	955.40	kJ/mol	NIST Webbook
log10ws	-2.67		Crippen Method
logp	1.643		Crippen Method
mcvol	104.620	ml/mol	McGowan Method

Sources

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
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=C933697&Units=SI

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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