

# 1H-Imidazole, 5-methyl-1-pentyl

**Inchi:** InChI=1S/C9H16N2/c1-3-4-5-6-11-8-10-7-9(11)2/h7-8H,3-6H2,1-2H3  
**InchiKey:** VNGZUUNTYHPODP-UHFFFAOYSA-N  
**Formula:** C9H16N2  
**SMILES:** CCCCCn1cncc1C  
**Mol. weight [g/mol]:** 152.24

## Physical Properties

Property code	Value	Unit	Source
log10ws	-3.23		Crippen Method
logp	2.382		Crippen Method
mcvol	138.170	ml/mol	McGowan Method
rinpol	1380.00		NIST Webbook
rinpol	1380.00		NIST Webbook
ripol	2083.00		NIST Webbook
ripol	2083.00		NIST Webbook

## Sources

**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](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=R68384&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

## Legend

**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient  
**mcvol:** McGowan's characteristic volume  
**rinpol:** Non-polar retention indices  
**ripol:** Polar retention indices

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