

# 5-Methylbenzimidazole

<b>Other names:</b>	1H-Benzimidazole, 5-methyl-Benzimidazole, 5-methyl-5(6)-Methylbenzimidazole
<b>Inchi:</b>	InChI=1S/C8H8N2/c1-6-2-3-7-8(4-6)10-5-9-7/h2-5H,1H3,(H,9,10)
<b>InchiKey:</b>	RWXZXCZBMQPOBF-UHFFFAOYSA-N
<b>Formula:</b>	C8H8N2
<b>SMILES:</b>	Cc1ccc2[nH]cnc2c1
<b>Mol. weight [g/mol]:</b>	132.16
<b>CAS:</b>	614-97-1

## Physical Properties

Property code	Value	Unit	Source
log10ws	-2.74		Crippen Method
logp	1.389		Crippen Method
mcvol	104.620	ml/mol	McGowan Method

## Sources

<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C614971&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C614971&amp;Units=SI</a>

## Legend

<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume

Latest version available from:

<https://www.chemeo.com/cid/40-851-2/5-Methylbenzimidazole.pdf>

Generated by Cheméo on 2024-04-29 05:26:02.613915724 +0000 UTC m=+16657611.534493117.  
Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.