

# 2-Chlorobenzimidazole

<b>Other names:</b>	1H-Benzimidazole, 2-chloro-Benzimidazole, 2-chloro-2-Chloro-1H-benzimidazole
<b>Inchi:</b>	InChI=1S/C7H5ClN2/c8-7-9-5-3-1-2-4-6(5)10-7/h1-4H,(H,9,10)
<b>InchiKey:</b>	AYP SHJCKSDNETA-UHFFFAOYSA-N
<b>Formula:</b>	C7H5ClN2
<b>SMILES:</b>	Clc1nc2ccccc2[nH]1
<b>Mol. weight [g/mol]:</b>	152.58
<b>CAS:</b>	4857-06-1

## Physical Properties

Property code	Value	Unit	Source
log10ws	-2.95		Crippen Method
logp	1.734		Crippen Method
mcvol	102.770	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=C4857061&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C4857061&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

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