

# 1H-Benzimidazole, 2-propyl-

<b>Other names:</b>	Benzimidazole, 2-propyl- 2-Propylbenzimidazole
<b>Inchi:</b>	InChI=1S/C10H12N2/c1-2-5-10-11-8-6-3-4-7-9(8)12-10/h3-4,6-7H,2,5H2,1H3,(H,11,12)
<b>InchiKey:</b>	FBLJZPQLNMVEMR-UHFFFAOYSA-N
<b>Formula:</b>	C10H12N2
<b>SMILES:</b>	CCCc1nc2ccccc2[nH]1
<b>Mol. weight [g/mol]:</b>	160.22
<b>CAS:</b>	5465-29-2

## Physical Properties

Property code	Value	Unit	Source
hsub	109.40 ± 1.20	kJ/mol	NIST Webbook
log10ws	-3.48		Crippen Method
logp	2.033		Crippen Method
mcvol	132.800	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=C5465292&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C5465292&amp;Units=SI</a>

## Legend

<b>hsub:</b>	Enthalpy of sublimation at standard conditions
<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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