

# Bendazol

<b>Other names:</b>	1H-Benzimidazole, 2-(phenylmethyl)- Bendazole Benzimidazole, 2-benzyl- 2-Benzylbenzimidazole Dibasol Dibazol Dibazole Tromasedan 2-Benzylbenziminazole 2-(Phenylmethyl)-1H-benzimidazole NSC 60020
<b>Inchi:</b>	InChI=1S/C14H12N2/c1-2-6-11(7-3-1)10-14-15-12-8-4-5-9-13(12)16-14/h1-9H,10H2,(H,1
<b>InchiKey:</b>	YTLQFZVCLXFFRK-UHFFFAOYSA-N
<b>Formula:</b>	C14H12N2
<b>SMILES:</b>	<chem>c1ccc(Cc2nc3ccccc3[nH]2)cc1</chem>
<b>Mol. weight [g/mol]:</b>	208.26
<b>CAS:</b>	621-72-7

## Physical Properties

Property code	Value	Unit	Source
hsub	136.20 ± 0.50	kJ/mol	NIST Webbook
log10ws	-4.36		Crippen Method
logp	2.672		Crippen Method
mvol	165.400	ml/mol	McGowan Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hsubt	134.50 ± 0.50	kJ/mol	402.50	NIST Webbook

# Sources

<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=C621727&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C621727&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307I">http://pubs.acs.org/doi/abs/10.1021/ci990307I</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>

# Legend

<b>hsub:</b>	Enthalpy of sublimation at standard conditions
<b>hsubt:</b>	Enthalpy of sublimation at a given temperature
<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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