

# Morpholine, 4-phenyl-

<b>Other names:</b>	N-Phenylmorpholine 4-Phenylmorpholine Phenylmorpholine Morpholinobenzene
<b>Inchi:</b>	InChI=1S/C10H13NO/c1-2-4-10(5-3-1)11-6-8-12-9-7-11/h1-5H,6-9H2
<b>InchiKey:</b>	FHQRDEDZJIFJAL-UHFFFAOYSA-N
<b>Formula:</b>	C10H13NO
<b>SMILES:</b>	<chem>c1ccc(N2CCOCC2)cc1</chem>
<b>Mol. weight [g/mol]:</b>	163.22
<b>CAS:</b>	92-53-5

## Physical Properties

Property code	Value	Unit	Source
log10ws	-1.20		Crippen Method
logp	1.523		Crippen Method
mcvol	132.990	ml/mol	McGowan Method

## Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	440.70	K	6.00	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=C92535&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C92535&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</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>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume
<b>tbrp:</b>	Boiling point at reduced pressure

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