

# p-Anisaldehyde phenylhydrazone

<b>Other names:</b>	Benzaldehyde, 4-methoxy-, phenylhydrazone 4-Methoxybenzaldehyde phenylhydrazone Anisolaldehyde phenylhydrazone N-Phenyl-N'-(4-methoxybenzylidene)hydrazine
<b>Inchi:</b>	InChI=1S/C14H14N2O/c1-17-14-9-7-12(8-10-14)11-15-16-13-5-3-2-4-6-13/h2-11,16H,1H
<b>InchiKey:</b>	IZUQZLGWRCYWC-B-UHFFFAOYSA-N
<b>Formula:</b>	C14H14N2O
<b>SMILES:</b>	COc1ccc(C=NNc2ccccc2)cc1
<b>Mol. weight [g/mol]:</b>	226.27
<b>CAS:</b>	622-73-1

## Physical Properties

Property code	Value	Unit	Source
chs	-7398.10	kJ/mol	NIST Webbook
hf	132.77	kJ/mol	Joback Method
hfs	-161.00	kJ/mol	NIST Webbook
hfs	-111.80	kJ/mol	NIST Webbook
hvap	64.13	kJ/mol	Joback Method
log10ws	-3.47		Crippen Method
logp	3.141		Crippen Method
mcvol	182.130	ml/mol	McGowan Method
pc	2441.06	kPa	Joback Method
tb	727.33	K	Joback Method
tc	975.60	K	Joback Method

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C622731&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C622731&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>
<b>Joback Method:</b>	<a href="https://en.wikipedia.org/wiki/Joback_method">https://en.wikipedia.org/wiki/Joback_method</a>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>

# Legend

<b>chs:</b>	Standard solid enthalpy of combustion
<b>hf:</b>	Enthalpy of formation at standard conditions
<b>hfs:</b>	Solid phase enthalpy of formation at standard conditions
<b>hvap:</b>	Enthalpy of vaporization 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
<b>pc:</b>	Critical Pressure
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature

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