

# p-Methoxybenzylidene p-phenylazoaniline

<b>Other names:</b>	p-Methoxybenzylidene p-phenylazoaniline N-(p-Anisylidene)-p-phenylazo aniline Aniline, N-(p-methoxybenzylidene)-p-(phenylazo)- Anisal-p-aminoazobenzene Benzenamine, N-((4-methoxyphenyl)methylene)-4-(phenylazo)- N-(p-Methoxybenzylidene)-p-(phenylazo)aniline 4-(4-Methoxybenzylidenamino)azobenzene N-(4-Methoxybenzylidene)-4-(phenylazo)aniline N-[(4-Methoxyphenyl)methylidene]-4-[phenyldiazenyl]aniline 4-(4-Methoxybenzylidenamino)azobenzene
<b>Inchi:</b>	InChI=1S/C20H17N3O/c1-24-20-13-7-16(8-14-20)15-21-17-9-11-19(12-10-17)23-22-18-5
<b>InchiKey:</b>	HLJXCFUTNROPTR-UHFFFAOYSA-N
<b>Formula:</b>	C20H17N3O
<b>SMILES:</b>	COc1ccc(C=Nc2ccc(N=Nc3ccccc3)cc2)cc1
<b>Mol. weight [g/mol]:</b>	315.37
<b>CAS:</b>	744-66-1

## Physical Properties

Property code	Value	Unit	Source
hf	227.74	kJ/mol	Joback Method
hvap	80.66	kJ/mol	Joback Method
log10ws	-5.50		Crippen Method
logp	5.861		Crippen Method
mcvol	248.590	ml/mol	McGowan Method
pc	1527.07	kPa	Joback Method
tb	995.30	K	Joback Method
tc	1271.28	K	Joback Method

## Sources

<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>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C744661&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C744661&amp;Units=SI</a>

## Legend

<b>hf:</b>	Enthalpy of formation at standard conditions
<b>h<sub>vap</sub>:</b>	Enthalpy of vaporization at standard conditions
<b>log<sub>10</sub>ws:</b>	Log <sub>10</sub> of Water solubility in mol/l
<b>log<sub>p</sub>:</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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