

N-(4-Methoxybenzylidene)aniline

Other names:	N-p-Anisylideneaniline Benzenamine, N-[(4-methoxyphenyl)methylene]- 4-Methoxybenzyliden-anilin 4-Methoxybenzylideneaniline p-Methoxybenzylidene-phenyl-amine
Inchi:	InChI=1S/C14H13NO/c1-16-14-9-7-12(8-10-14)11-15-13-5-3-2-4-6-13/h2-11H,1H3
InchiKey:	MSWPGMRTURVKRJ-UHFFFAOYSA-N
Formula:	C14H13NO
SMILES:	<chem>COc1ccc(C=Nc2ccccc2)cc1</chem>
Mol. weight [g/mol]:	211.26
CAS:	836-41-9

Physical Properties

Property code	Value	Unit	Source
hf	79.30	kJ/mol	Joback Method
hvap	57.70	kJ/mol	Joback Method
log10ws	-3.46		Crippen Method
logp	3.446		Crippen Method
mcvol	172.150	ml/mol	McGowan Method
pc	2410.00	kPa	Joback Method
rinpol	2052.00		NIST Webbook
tb	677.16	K	Joback Method
tc	929.02	K	Joback Method

Sources

Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C836419&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307I
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

hf:	Enthalpy of formation at standard conditions
h_{vap}:	Enthalpy of vaporization at standard conditions
log₁₀ws:	Log10 of Water solubility in mol/l
log_p:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
r_{inpol}:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature

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