Benzenamine, 4-methoxy-N-(phenylmethylene)-

Other names: p-Anisidine, N-benzylidene-
Benzylidene-p-methoxyaniline
N-Benzylidene-p-methoxyaniline
N-Benzylidene-4-methoxyaniline
N-Benzyliden-p-anisidin
N-Benzylidene-p-anisidine
1-Methoxybenzene, 4-benzylidenamino
4-Methoxy-N-[phenylmethylidene]aniline
Benzylidene-(4-methoxyphenyl)-amine

Inchi: InChI=1S/C14H13NO/c1-16-14-9-7-13(8-10-14)15-11-12-5-3-2-4-6-12/h2-11H,1H3

InchiKey: LKHMZCUKGPUKEA-UHFFFAOYSA-N

Formula: C14H13NO

SMILES: COc1ccc(N=Cc2ccccc2)cc1

Mol. weight [g/mol]: 211.26

CAS: 783-08-4

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	2035.00		NIST Webbook
rinpol	2035.00		NIST Webbook
tb	677.16	K	Joback Method
tc	929.02	K	Joback Method

Sources

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

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=C783084&Units=SI

Legend

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