Benzenamine, n-[(2-methoxyphenyl)methylene]-

Other names: Aniline, N-(o-methoxybenzylidene)-
o-Methoxybenzylideneaniline
N-(o-Methoxybenzylidene)aniline

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

InchiKey: HBBUHFXBDZPAMN-UHFFFAOYSA-N

Formula: C14H13NO

SMILES: COc1ccccc1C=Nc1ccccc1

Mol. weight [g/mol]: 211.26

Physical Properties

Property code	Value	Unit	Source
hf	136.94	kJ/mol	Cheméo Relay (1.0)
hvap	81.22	kJ/mol	Cheméo Relay (1.0)
ie	7.64	eV	Cheméo Relay (1.0)
log10ws	-3.54		Cheméo Relay (1.0)
logp	3.446		Crippen Method
mcvol	172.150	ml/mol	McGowan Method
tb	611.64	K	Cheméo Relay (1.0)
tf	340.08	K	Cheméo Relay (1.0)

Sources

Joback Method: https://en.wikipedia.org/wiki/Joback_method

McGowan Method: http://link.springer.com/article/10.1007/BF02311772

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

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

Cheméo Relay (1.0):

Cheméo Relay (1.0, beta):

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C3369377&Units=SI

Legend

hf:	Enthalpy of formation at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tb:	Normal Boiling Point Temperature
tf:	Normal melting (fusion) point