Benzenamine, N-[(4-methylphenyl)methylene]-

Other names: Aniline, N-(p-methylbenzylidene)-
N-(p-Methylbenzylidene)aniline
(p-Methylbenzylidene)-phenylamine
Inchi: InChI=1S/C14H13N/c1-12-7-9-13(10-8-12)11-15-14-5-3-2-4-6-14/h2-11H,1H3
InchiKey: PCICJNSIYHONRK-UHFFFAOYSA-N
Formula: C14H13N
SMILES: Cc1ccc(C=Nc2ccccc2)cc1
Mol. weight [g/mol]: 195.26
CAS: 2362-77-8

Physical Properties

Property code	Value	Unit	Source
hf	211.52	kJ/mol	Joback Method
hvap	55.29	kJ/mol	Joback Method
log10ws	-3.81		Crippen Method
logp	3.746		Crippen Method
mcvol	166.280	ml/mol	McGowan Method
pc	2450.74	kPa	Joback Method
rinpol	1894.00		NIST Webbook
tb	654.74	K	Joback Method
tc	911.07	K	Joback Method

Sources

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=C2362778&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

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