4-Methylbenzylidene-4-methylaniline

Other names:	4-Methyl-N-[(4-methylphenyl)methylidene]aniline
	(p-Methylbenzylidene)-(4-methylphenyl)-amine
	p-Toluidine, N-(p-methylbenzylidene)-
Inchi:	InChI=1S/C15H15N/c1-12-3-7-14(8-4-12)11-16-15-9-5-13(2)6-10-15/h3-11H,1-2H3
InchiKey:	LKMIOABGTREIHR-UHFFFAOYSA-N
Formula:	C15H15N
SMILES:	Cc1ccc(C=Nc2ccc(C)cc2)cc1
Mol. weight [g/mol]:	209.29
CAS:	16979-20-7

Physical Properties

Property code	Value	Unit	Source
hf	179.41	kJ/mol	Joback Method
hvap	58.17	kJ/mol	Joback Method
log10ws	-4.29		Crippen Method
logp	4.054		Crippen Method
mcvol	180.370	ml/mol	McGowan Method
pc	2202.08	kPa	Joback Method
rinpol	1998.00		NIST Webbook
rinpol	2039.00		NIST Webbook
tb	682.60	K	Joback Method
tc	933.92	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=C16979207&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

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