Benzenamine, N,N-dimethyl-4-[(phenylimino)methyl]-

Other names: p-Toluidine, N,N-dimethyl-«alpha»-(phenylimino)-
N-(p-Dimethylaminebenzylidene)aniline
N-(4-Dimethylaminobenzylidene)aniline
N-[p-(Dimethylamino)benzylidene]aniline
4-(Dimethylaminmo)-benzaldehyd-anil

Inchi: InChI=1S/C15H16N2/c1-17(2)15-10-8-13(9-11-15)12-16-14-6-4-3-5-7-14/h3-12H,1-2H3

InchiKey: MFFDJRYGVWMCQY-UHFFFAOYSA-N

Formula: C15H16N2

SMILES: CN(C)c1ccc(C=Nc2ccccc2)cc1

Mol. weight [g/mol]: 224.30

CAS: 889-37-2

Physical Properties

Property code	Value	Unit	Source
hf	258.41	kJ/mol	Joback Method
hvap	59.56	kJ/mol	Joback Method
log10ws	-3.25		Crippen Method
logp	3.503		Crippen Method
mcvol	190.350	ml/mol	McGowan Method
pc	2229.20	kPa	Joback Method
tb	690.06	K	Joback Method
tc	936.17	K	Joback Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C889372&Units=SI

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

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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature