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

Other names: N-[(4-Methylphenyl)methylidene]-4-nitroaniline
p-Methylbenzylidene-(4-nitrophenyl)-amine
p-Nitro-N-(p-methylbenzylidene)aniline

Inchi: InChI=1S/C14H12N2O2/c1-11-2-4-12(5-3-11)10-15-13-6-8-14(9-7-13)16(17)18/h2-10H,1

InchiKey: PZHYCUFBBDDVKW-UHFFFAOYSA-N

Formula: C14H12N2O2

SMILES: Cc1ccc(C=Nc2ccc([N+](=O)[O-])cc2)cc1

Mol. weight [g/mol]: 240.26

CAS: 20192-50-1

Physical Properties

Property code	Value	Unit	Source
hf	189.29	kJ/mol	Joback Method
hvap	72.54	kJ/mol	Joback Method
log10ws	-4.46		Crippen Method
logp	3.654		Crippen Method
mcvol	183.700	ml/mol	McGowan Method
pc	2443.48	kPa	Joback Method
rinpol	2378.00		NIST Webbook
tb	811.56	K	Joback Method
tc	1085.88	K	Joback Method

Sources

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

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C20192501&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

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