Benzenamine, N-[(4-methoxyphenyl)methylidene]-3-nitro-

Other names: p-methoxybenzylidene-(3-nitrophenyl)-amine
Inchi: InChI=1S/C14H12N2O3/c1-19-14-7-5-11(6-8-14)10-15-12-3-2-4-13(9-12)16(17)18/h2-10
InchiKey: CXQRCMDXOBUAQA-UHFFFAOYSA-N
Formula: C14H12N2O3
SMILES: COc1ccc(C=Nc2cccc([N+](=O)[O-])c2)cc1
Mol. weight [g/mol]: 256.26

Physical Properties

Property code	Value	Unit	Source
hf	57.07	kJ/mol	Joback Method
hvap	74.95	kJ/mol	Joback Method
log10ws	-4.11		Crippen Method
logp	3.354		Crippen Method
mcvol	189.570	ml/mol	McGowan Method
pc	2402.92	kPa	Joback Method
rinpol	2506.00		NIST Webbook
rinpol	2506.00		NIST Webbook
tb	833.98	K	Joback Method
tc	1103.23	K	Joback Method

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U350566&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