N-(p-Methoxybenzylidene)-p-anisidine

Other names: p-Methoxybenzylidene-(4-methoxyphenyl)-amine
Inchi: InChI=1S/C15H15NO2/c1-17-14-7-3-12(4-8-14)11-16-13-5-9-15(18-2)10-6-13/h3-11H,1-
InchiKey: ZDOHZYPZEUJYKN-UHFFFAOYSA-N
Formula: C15H15NO2
SMILES: COc1ccc(C=Nc2ccc(OC)cc2)cc1
Mol. weight [g/mol]: 241.29
CAS: 1749-08-2

Physical Properties

Property code	Value	Unit	Source
hf	-85.03	kJ/mol	Joback Method
hvap	62.99	kJ/mol	Joback Method
log10ws	-3.58		Crippen Method
logp	3.454		Crippen Method
mcvol	192.110	ml/mol	McGowan Method
pc	2133.46	kPa	Joback Method
rinpol	2315.00		NIST Webbook
rinpol	2315.00		NIST Webbook
tb	727.44	K	Joback Method
tc	970.61	K	Joback Method

Sources

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
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C1749082&Units=SI

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