p-Methoxybenzylidene-p-ethylaniline

Other names: p-Methoxybenzylidine p-ethylaniline
Inchi: InChI=1S/C16H17NO/c1-3-13-4-8-15(9-5-13)17-12-14-6-10-16(18-2)11-7-14/h4-12H,3H2
InchiKey: YXRHVFQIDOTKKJ-UHFFFAOYSA-N
Formula: C16H17NO
SMILES: CCc1ccc(N=Cc2ccc(OC)cc2)cc1
Mol. weight [g/mol]: 239.31
CAS: 29743-18-8

Physical Properties

Property code	Value	Unit	Source
hf	26.55	kJ/mol	Joback Method
hvap	62.81	kJ/mol	Joback Method
log10ws	-4.26		Crippen Method
logp	4.008		Crippen Method
mcvol	200.330	ml/mol	McGowan Method
pc	1985.89	kPa	Joback Method
tb	727.90	K	Joback Method
tc	969.82	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=C29743188&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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature