p-methoxybenzylidene-(4-ethoxyphenyl)-amine

Inchi: InChI=1S/C16H17NO2/c1-3-19-16-10-6-14(7-11-16)17-12-13-4-8-15(18-2)9-5-13/h4-12H
InchiKey: QFRLSYNEBYPEHA-SFQUDFHCSA-N
Formula: C16H17NO2
SMILES: CCOc1ccc(N=Cc2ccc(OC)cc2)cc1
Mol. weight [g/mol]: 255.31

Physical Properties

Property code	Value	Unit	Source
hf	-105.67	kJ/mol	Joback Method
hvap	65.22	kJ/mol	Joback Method
log10ws	-4.00		Crippen Method
logp	3.845		Crippen Method
mcvol	206.200	ml/mol	McGowan Method
pc	1956.14	kPa	Joback Method
rinpol	2372.00		NIST Webbook
rinpol	2372.00		NIST Webbook
tb	750.32	K	Joback Method
tc	988.67	K	Joback Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=R160044&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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature