p-methylbenzylidene-(3-ethoxyphenyl)-amine

Inchi: InChI=1S/C16H17NO/c1-3-18-16-6-4-5-15(11-16)17-12-14-9-7-13(2)8-10-14/h4-12H,3H2
InchiKey: CZQWPLSCPYFTJQ-SFQUDFHCSA-N
Formula: C16H17NO
SMILES: CCOc1cccc(N=Cc2ccc(C)cc2)c1
Mol. weight [g/mol]: 239.31

Physical Properties

Property code	Value	Unit	Source
hf	26.55	kJ/mol	Joback Method
hvap	62.81	kJ/mol	Joback Method
log10ws	-4.35		Crippen Method
logp	4.144		Crippen Method
mcvol	200.330	ml/mol	McGowan Method
pc	1985.89	kPa	Joback Method
rinpol	2182.00		NIST Webbook
tb	727.90	K	Joback Method
tc	969.82	K	Joback Method

Sources

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=R160222&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

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

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