N-[(4-Butoxyphenyl)methylidene]-4-ethylaniline

Other names:	p-Butoxybenzylidene p-ethylaniline
	4-Butoxybenzylidene-4-ethylaniline
	4-Butyloxybenzal-4'-ethylaniline
Inchi:	InChI=1S/C19H23NO/c1-3-5-14-21-19-12-8-17(9-13-19)15-20-18-10-6-16(4-2)7-11-18/h
InchiKey:	AUVREZVTBBIYLI-UHFFFAOYSA-N
Formula:	C19H23NO
SMILES:	CCCCOc1ccc(C=Nc2ccc(CC)cc2)cc1
Mol. weight [g/mol]:	281.39
CAS:	29743-15-5

Physical Properties

Property code	Value	Unit	Source
hf	-35.37	kJ/mol	Joback Method
hvap	69.49	kJ/mol	Joback Method
log10ws	-5.52		Crippen Method
logp	5.178		Crippen Method
mcvol	242.600	ml/mol	McGowan Method
pc	1559.81	kPa	Joback Method
tb	796.54	K	Joback Method
tc	1025.77	K	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C29743155&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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature