p-Butoxybenzylidene p-butylaniline

Inchi: InChI=1S/C21H27NO/c1-3-5-7-18-8-12-20(13-9-18)22-17-19-10-14-21(15-11-19)23-16-6
InchiKey: OAGDRAPRLSSSQT-UHFFFAOYSA-N
Formula: C21H27NO
SMILES: CCCCOc1ccc(C=Nc2ccc(CCCC)cc2)cc1
Mol. weight [g/mol]: 309.45
CAS: 29743-09-7

Physical Properties

Property code	Value	Unit	Source
hf	-76.65	kJ/mol	Joback Method
hvap	73.94	kJ/mol	Joback Method
log10ws	-6.35		Crippen Method
logp	5.959		Crippen Method
mcvol	270.780	ml/mol	McGowan Method
pc	1347.68	kPa	Joback Method
tb	842.30	K	Joback Method
tc	1065.84	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=C29743097&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