p-Butoxybenzylidene p-hexylaniline

Inchi: InChI=1S/C23H31NO/c1-3-5-7-8-9-20-10-14-22(15-11-20)24-19-21-12-16-23(17-13-21)2
InchiKey: OFIBDXCRLAWBQU-UHFFFAOYSA-N
Formula: C23H31NO
SMILES: CCCCCCc1ccc(N=Cc2ccc(OCCCC)cc2)cc1
Mol. weight [g/mol]: 337.50
CAS: 39777-12-3

Physical Properties

Property code	Value	Unit	Source
hf	-117.93	kJ/mol	Joback Method
hvap	78.39	kJ/mol	Joback Method
log10ws	-7.19		Crippen Method
logp	6.739		Crippen Method
mcvol	298.960	ml/mol	McGowan Method
pc	1176.05	kPa	Joback Method
tb	888.06	K	Joback Method
tc	1108.47	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=C39777123&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