p-Butoxybenzylidene p-octylaniline

Inchi: InChI=1S/C25H35NO/c1-3-5-7-8-9-10-11-22-12-16-24(17-13-22)26-21-23-14-18-25(19-1
InchiKey: KELVVZFTTYSOQH-UHFFFAOYSA-N
Formula: C25H35NO
SMILES: CCCCCCCCc1ccc(N=Cc2ccc(OCCCC)cc2)cc1
Mol. weight [g/mol]: 365.55
CAS: 39777-26-9

Physical Properties

Property code	Value	Unit	Source
hf	-159.21	kJ/mol	Joback Method
hvap	82.84	kJ/mol	Joback Method
log10ws	-8.03		Crippen Method
logp	7.519		Crippen Method
mcvol	327.140	ml/mol	McGowan Method
pc	1035.23	kPa	Joback Method
tb	933.82	K	Joback Method
tc	1154.03	K	Joback Method

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C39777269&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

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