p-Butoxybenzylidene-p-pentylaniline

Other names: Benzenamine, N-[(4-butoxyphenyl)methylene]-4-pentyl-
Inchi: InChI=1S/C22H29NO/c1-3-5-7-8-19-9-13-21(14-10-19)23-18-20-11-15-22(16-12-20)24-1
InchiKey: HRVNADYIJXVWHM-UHFFFAOYSA-N
Formula: C22H29NO
SMILES: CCCCCc1ccc(N=Cc2ccc(OCCCC)cc2)cc1
Mol. weight [g/mol]: 323.47
CAS: 39777-05-4

Physical Properties

Property code	Value	Unit	Source
hf	-97.29	kJ/mol	Joback Method
hvap	76.17	kJ/mol	Joback Method
log10ws	-6.77		Crippen Method
logp	6.349		Crippen Method
mcvol	284.870	ml/mol	McGowan Method
pc	1257.48	kPa	Joback Method
tb	865.18	K	Joback Method
tc	1086.81	K	Joback Method

Sources

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=C39777054&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

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