p-Butoxybenzylidene p-propylaniline

Other names:	N-(p-Butoxylbenzylidene)-p-propylaniline
	Benzenamine, N-[(4-butoxyphenyl)methylene]-4-propyl-
Inchi:	InChI=1S/C20H25NO/c1-3-5-15-22-20-13-9-18(10-14-20)16-21-19-11-7-17(6-4-2)8-12-1
InchiKey:	HOVWLRKKOQRZAJ-UHFFFAOYSA-N
Formula:	C20H25NO
SMILES:	CCCCOc1ccc(C=Nc2ccc(CCC)cc2)cc1
Mol. weight [g/mol]:	295.42
CAS:	37599-83-0

Physical Properties

Property code	Value	Unit	Source
hf	-56.01	kJ/mol	Joback Method
hvap	71.71	kJ/mol	Joback Method
log10ws	-5.93		Crippen Method
logp	5.569		Crippen Method
mcvol	256.690	ml/mol	McGowan Method
pc	1447.94	kPa	Joback Method
tb	819.42	K	Joback Method
tc	1045.51	K	Joback Method

Sources

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=C37599830&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

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