

p-Butoxybenzylidene p-heptylaniline

Inchi:	InChI=1S/C24H33NO/c1-3-5-7-8-9-10-21-11-15-23(16-12-21)25-20-22-13-17-24(18-14-2
InchiKey:	IHFLHVDMHFOGCO-UHFFFAOYSA-N
Formula:	C24H33NO
SMILES:	CCCCCCCCc1ccc(N=Cc2ccc(OCCCC)cc2)cc1
Mol. weight [g/mol]:	351.52
CAS:	39777-19-0

Physical Properties

Property code	Value	Unit	Source
hf	-138.57	kJ/mol	Joback Method
hvap	80.62	kJ/mol	Joback Method
log10ws	-7.61		Crippen Method
logp	7.129		Crippen Method
mcvol	313.050	ml/mol	McGowan Method
pc	1102.28	kPa	Joback Method
tb	910.94	K	Joback Method
tc	1130.86	K	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C39777190&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

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