

p-Decyloxybenzylidene p-butylaniline

Inchi:	InChI=1S/C27H39NO/c1-3-5-7-8-9-10-11-12-22-29-27-20-16-25(17-21-27)23-28-26-18-1
InchiKey:	MSABKRNOGDWYAE-UHFFFAOYSA-N
Formula:	C27H39NO
SMILES:	CCCCCCCCCOc1ccc(C=Nc2ccc(CCCC)cc2)cc1
Mol. weight [g/mol]:	393.60
CAS:	51749-29-2

Physical Properties

Property code	Value	Unit	Source
hf	-200.49	kJ/mol	Joback Method
hvap	87.30	kJ/mol	Joback Method
log10ws	-8.86		Crippen Method
logp	8.299		Crippen Method
mcvol	355.320	ml/mol	McGowan Method
pc	918.27	kPa	Joback Method
tb	979.58	K	Joback Method
tc	1202.89	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=C51749292&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

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