N,N'-(1,4-Phenylenedimethylidyne)bis(4-butylanili

Other names:	Terephthalylidene bis(p-butylaniline)
	Terephthalylidene di-p-butylaniline
	N,N'-Terephthalylidene-bis-(4-n-butylaniline)
	4-Butyl-N-[(4-([(4-butylphenyl)imino]methyl)phenyl)methylidene]aniline
	Terephthal-bis-n-butylaniline
Inchi:	InChI=1S/C28H32N2/c1-3-5-7-23-13-17-27(18-14-23)29-21-25-9-11-26(12-10-25)22-30-
InchiKey:	OWDOPPGNUYIHFQ-UHFFFAOYSA-N
Formula:	C28H32N2
SMILES:	CCCCc1ccc(N=Cc2ccc(C=Nc3ccc(CCCC)cc3)cc2)cc1
Mol. weight [g/mol]:	396.57
CAS:	29743-21-3

Physical Properties

Property code	Value	Unit	Source
hf	218.37	kJ/mol	Joback Method
hvap	93.36	kJ/mol	Joback Method
log10ws	-8.48		Crippen Method
logp	7.873		Crippen Method
mcvol	345.460	ml/mol	McGowan Method
pc	996.39	kPa	Joback Method
tb	1088.38	K	Joback Method
tc	1342.98	K	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C29743213&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
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

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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