p-Methylbenzylidene p-butylaniline

Other names: Benzenamine, 4-butyl-N-[(4-methylphenyl)methylene]-
Inchi: InChI=1S/C18H21N/c1-3-4-5-16-10-12-18(13-11-16)19-14-17-8-6-15(2)7-9-17/h6-14H,3-
InchiKey: KCHFMTRVJWKQAC-UHFFFAOYSA-N
Formula: C18H21N
SMILES: CCCCc1ccc(N=Cc2ccc(C)cc2)cc1
Mol. weight [g/mol]: 251.37
CAS: 38549-81-4

Physical Properties

Property code	Value	Unit	Source
hf	117.49	kJ/mol	Joback Method
hvap	64.85	kJ/mol	Joback Method
log10ws	-5.45		Crippen Method
logp	5.088		Crippen Method
mcvol	222.640	ml/mol	McGowan Method
pc	1708.95	kPa	Joback Method
tb	751.24	K	Joback Method
tc	987.28	K	Joback Method

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	463.00	K	0.07	NIST Webbook

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=C38549814&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
tbrp:	Boiling point at reduced pressure
tc:	Critical Temperature