N,N-Dimethyl-N'-(4-bromophenyl)-p-methylbenzar

Inchi: InChI=1S/C16H17BrN2/c1-12-4-6-13(7-5-12)16(19(2)3)18-15-10-8-14(17)9-11-15/h4-11H
InchiKey: FHCIYBRJIWCFIA-FBMGVBCBSA-N
Formula: C16H17BrN2
SMILES: Cc1ccc(C(=Nc2ccc(Br)cc2)N(C)C)cc1
Mol. weight [g/mol]: 317.22

Physical Properties

Property code	Value	Unit	Source
hf	242.84	kJ/mol	Joback Method
hvap	68.96	kJ/mol	Joback Method
log10ws	-4.88		Crippen Method
logp	4.397		Crippen Method
mcvol	221.940	ml/mol	McGowan Method
pc	2153.30	kPa	Joback Method
rinpol	2208.00		NIST Webbook
rinpol	2208.00		NIST Webbook
tb	783.96	K	Joback Method
tc	1039.31	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=R158848&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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature