N,N-Dimethyl-N'-(3-chlorophenyl)-p-methylbenzar

Inchi: InChI=1S/C16H17ClN2/c1-12-7-9-13(10-8-12)16(19(2)3)18-15-6-4-5-14(17)11-15/h4-11H
InchiKey: WYKFZNFCQXKLAL-FBMGVBCBSA-N
Formula: C16H17ClN2
SMILES: Cc1ccc(C(=Nc2cccc(Cl)c2)N(C)C)cc1
Mol. weight [g/mol]: 272.77

Physical Properties

Property code	Value	Unit	Source
hf	200.77	kJ/mol	Joback Method
hvap	66.91	kJ/mol	Joback Method
log10ws	-4.40		Crippen Method
logp	4.288		Crippen Method
mcvol	216.680	ml/mol	McGowan Method
pc	1956.14	kPa	Joback Method
rinpol	2091.00		NIST Webbook
rinpol	2091.00		NIST Webbook
tb	755.23	K	Joback Method
tc	1003.10	K	Joback Method

Sources

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
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=R158640&Units=SI

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

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