

N,N-Dimethyl-N'-(4-methoxyphenyl)-p-chlorobenz

Inchi:	InChI=1S/C16H17CIN2O/c1-19(2)16(12-4-6-13(17)7-5-12)18-14-8-10-15(20-3)11-9-14/h
InchiKey:	BBPVWNLNJGTNDG-FBMGVBCSA-N
Formula:	C16H17CIN2O
SMILES:	COc1ccc(N=C(c2ccc(Cl)cc2)N(C)C)cc1
Mol. weight [g/mol]:	288.77

Physical Properties

Property code	Value	Unit	Source
hf	68.55	kJ/mol	Joback Method
hvap	69.32	kJ/mol	Joback Method
log10ws	-4.04		Crippen Method
logp	3.989		Crippen Method
mcvol	222.550	ml/mol	McGowan Method
pc	1927.05	kPa	Joback Method
rinpol	2224.00		NIST Webbook
tb	777.65	K	Joback Method
tc	1021.73	K	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R158942&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature

Latest version available from:

<https://www.chemeo.com/cid/44-492-7/N-N-Dimethyl-N-4-methoxyphenyl-p-chlorobenzamidine.pdf>

Generated by Cheméo on 2024-03-20 11:07:15.445614043 +0000 UTC m=+13222084.366191355.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.