N,N-Dimethyl-N'-(4-methylphenyl)-benzamidine

Inchi: InChI=1S/C16H18N2/c1-13-9-11-15(12-10-13)17-16(18(2)3)14-7-5-4-6-8-14/h4-12H,1-3H
InchiKey: JKRCCPSHSMZKKD-WUKNDPDISA-N
Formula: C16H18N2
SMILES: Cc1ccc(N=C(c2ccccc2)N(C)C)cc1
Mol. weight [g/mol]: 238.33

Physical Properties

Property code	Value	Unit	Source
hf	227.98	kJ/mol	Joback Method
hvap	61.86	kJ/mol	Joback Method
log10ws	-3.72		Crippen Method
logp	3.635		Crippen Method
mcvol	204.440	ml/mol	McGowan Method
pc	2049.31	kPa	Joback Method
rinpol	1913.00		NIST Webbook
tb	712.82	K	Joback Method
tc	957.80	K	Joback Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=R158977&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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature

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