N,N'-Di-p-tolyl-formamidine

Other names: N,N'-bis-(4-Methylphenyl)formamidine
Inchi: InChI=1S/C15H16N2/c1-12-3-7-14(8-4-12)16-11-17-15-9-5-13(2)6-10-15/h3-11H,1-2H3,(
InchiKey: RJRDSXGZKWHZIZ-UHFFFAOYSA-N
Formula: C15H16N2
SMILES: Cc1ccc(N=CNc2ccc(C)cc2)cc1
Mol. weight [g/mol]: 224.30
CAS: 16596-03-5

Physical Properties

Property code	Value	Unit	Source
hf	232.88	kJ/mol	Joback Method
hvap	64.61	kJ/mol	Joback Method
log10ws	-4.31		Crippen Method
logp	4.075		Crippen Method
mcvol	190.350	ml/mol	McGowan Method
pc	2229.20	kPa	Joback Method
rinpol	2199.00		NIST Webbook
tb	732.77	K	Joback Method
tc	980.53	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=C16596035&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