

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:	<chem>Cc1ccc(N=CNc2ccc(C)cc2)cc1</chem>
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

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
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

hf: Enthalpy of formation at standard conditions

h_{vap}:	Enthalpy of vaporization at standard conditions
log₁₀w_s:	Log ₁₀ of Water solubility in mol/l
log_p:	Octanol/Water partition coefficient
mc_{vol}:	McGowan's characteristic volume
p_c:	Critical Pressure
ri_{npol}:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature

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