N-Phenyl-N'-(4-methylphenyl)formamidine

Inchi: InChI=1S/C14H14N2/c1-12-7-9-14(10-8-12)16-11-15-13-5-3-2-4-6-13/h2-11H,1H3,(H,15

InchiKey: BJINXEZCMHYQQF-UHFFFAOYSA-N

Formula: C14H14N2

SMILES: Cc1ccc(NC=Nc2ccccc2)cc1

Mol. weight [g/mol]: 210.27

Physical Properties

Property code	Value	Unit	Source
hf	264.99	kJ/mol	Joback Method
hvap	61.72	kJ/mol	Joback Method
log10ws	-3.83		Crippen Method
logp	3.767		Crippen Method
mcvol	176.260	ml/mol	McGowan Method
pc	2482.59	kPa	Joback Method
rinpol	2122.00		NIST Webbook
rinpol	2122.00		NIST Webbook
tb	704.91	K	Joback Method
tc	957.41	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=R161874&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