N-Phenyl-N'-(3-methylphenyl)formamidine

Inchi: InChI=1S/C14H14N2/c1-12-6-5-9-14(10-12)16-11-15-13-7-3-2-4-8-13/h2-11H,1H3,(H,15
InchiKey: LXGFBYCPHPELHD-UHFFFAOYSA-N
Formula: C14H14N2
SMILES: Cc1cccc(NC=Nc2ccccc2)c1
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	2095.00		NIST Webbook
rinpol	2095.00		NIST Webbook
tb	704.91	K	Joback Method
tc	957.41	K	Joback Method

Sources

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=R161829&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

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