

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

Inchi: InChI=1S/C14H14N2O/c1-17-14-9-7-13(8-10-14)16-11-15-12-5-3-2-4-6-12/h2-11H,1H3,
InchiKey: VYJTXILKOYBMCP-UHFFFAOYSA-N
Formula: C14H14N2O
SMILES: COc1ccc(N=CNc2ccccc2)cc1
Mol. weight [g/mol]: 226.27

Physical Properties

Property code	Value	Unit	Source
hf	132.77	kJ/mol	Joback Method
hvap	64.13	kJ/mol	Joback Method
log10ws	-3.48		Crippen Method
logp	3.467		Crippen Method
mcvol	182.130	ml/mol	McGowan Method
pc	2441.06	kPa	Joback Method
rinpol	2266.00		NIST Webbook
rinpol	2266.00		NIST Webbook
tb	727.33	K	Joback Method
tc	975.60	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=R161869&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

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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