Formamidine, 1-cyano-n,n'-diphenyl-

Inchi: InChI=1S/C14H11N3/c15-11-14(16-12-7-3-1-4-8-12)17-13-9-5-2-6-10-13/h1-10H,(H,16,1
InchiKey: CPFBIBCZHAOUDH-UHFFFAOYSA-N
Formula: C14H11N3
SMILES: N#CC(=Nc1ccccc1)Nc1ccccc1
Mol. weight [g/mol]: 221.26
CAS: 6343-76-6

Physical Properties

Property code	Value	Unit	Source
hf	431.55	kJ/mol	Joback Method
hvap	71.62	kJ/mol	Joback Method
log10ws	-3.64		Crippen Method
logp	3.352		Crippen Method
mcvol	177.640	ml/mol	McGowan Method
pc	2470.27	kPa	Joback Method
tb	801.89	K	Joback Method
tc	1067.09	K	Joback Method

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C6343766&Units=SI
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

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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature