N'-Phenyl-N,N-dimethyl-acetamidine

Inchi: InChI=1S/C10H14N2/c1-9(12(2)3)11-10-7-5-4-6-8-10/h4-8H,1-3H3/b11-9+
InchiKey: ARYJQIYRCNBDOU-PKNBQFBNSA-N
Formula: C10H14N2
SMILES: CC(=Nc1ccccc1)N(C)C
Mol. weight [g/mol]: 162.23

Physical Properties

Property code	Value	Unit	Source
hf	126.76	kJ/mol	Joback Method
hvap	45.57	kJ/mol	Joback Method
log10ws	-1.94		Crippen Method
logp	2.298		Crippen Method
mcvol	143.660	ml/mol	McGowan Method
pc	2632.55	kPa	Joback Method
rinpol	1452.00		NIST Webbook
tb	543.88	K	Joback Method
tc	768.87	K	Joback Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=R153561&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
McGowan Method: http://link.springer.com/article/10.1007/BF02311772

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