N,N-Dimethyl-2-phenyl-N'-benzyl-acetamidine

Inchi: InChI=1S/C17H20N2/c1-19(2)17(13-15-9-5-3-6-10-15)18-14-16-11-7-4-8-12-16/h3-12H,1
InchiKey: ODFDBJUZXQCGIY-UHFFFAOYSA-N
Formula: C17H20N2
SMILES: CN(C)C(Cc1ccccc1)=NCc1ccccc1
Mol. weight [g/mol]: 252.35

Physical Properties

Property code	Value	Unit	Source
hf	218.81	kJ/mol	Joback Method
hvap	63.42	kJ/mol	Joback Method
log10ws	-3.87		Crippen Method
logp	3.389		Crippen Method
mcvol	218.530	ml/mol	McGowan Method
pc	1906.90	kPa	Joback Method
rinpol	2148.00		NIST Webbook
rinpol	2148.00		NIST Webbook
tb	730.72	K	Joback Method
tc	969.89	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=R162248&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