N'-Benzyl-N,N-dimethylformamidine

Other names: Formamidine, 3,3-dimethyl-1-(phenylmethyl)
(CH3)2N-CH=N-(phenylmethyl)
Inchi: InChI=1S/C10H14N2/c1-12(2)9-11-8-10-6-4-3-5-7-10/h3-7,9H,8H2,1-2H3
InchiKey: MDCPTIJLAHIMEY-UHFFFAOYSA-N
Formula: C10H14N2
SMILES: CN(C)C=NCc1ccccc1
Mol. weight [g/mol]: 162.23
CAS: 27159-75-7

Physical Properties

Property code	Value	Unit	Source
affp	1014.10	kJ/mol	NIST Webbook
basg	981.70	kJ/mol	NIST Webbook
hf	136.55	kJ/mol	Joback Method
hvap	45.49	kJ/mol	Joback Method
log10ws	-1.84		Crippen Method
logp	1.776		Crippen Method
mcvol	143.660	ml/mol	McGowan Method
pc	2619.09	kPa	Joback Method
rinpol	1408.00		NIST Webbook
rinpol	1408.00		NIST Webbook
tb	544.00	K	Joback Method
tc	764.78	K	Joback Method

Sources

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=C27159757&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Legend

affp:	Proton affinity
basg:	Gas basicity
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