N,N-Dimethyl-N'-benzyl-p-methylbenzamidine

Inchi: InChI=1S/C17H20N2/c1-14-9-11-16(12-10-14)17(19(2)3)18-13-15-7-5-4-6-8-15/h4-12H,1
InchiKey: KUCTUQLDZPCQOW-ISLYRVAYSA-N
Formula: C17H20N2
SMILES: Cc1ccc(C(=NCc2ccccc2)N(C)C)cc1
Mol. weight [g/mol]: 252.35

Physical Properties

Property code	Value	Unit	Source
hf	207.34	kJ/mol	Joback Method
hvap	64.09	kJ/mol	Joback Method
log10ws	-4.03		Crippen Method
logp	3.503		Crippen Method
mcvol	218.530	ml/mol	McGowan Method
pc	1882.17	kPa	Joback Method
rinpol	2023.00		NIST Webbook
tb	735.70	K	Joback Method
tc	975.66	K	Joback Method

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=R159089&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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature