N,N-Dimethyl-N'-cyclohexyl-benzamidine

Inchi: InChI=1S/C15H22N2/c1-17(2)15(13-9-5-3-6-10-13)16-14-11-7-4-8-12-14/h3,5-6,9-10,14H

InchiKey: QQXYCONDOQIQIJ-FOCLMDBBSA-N

Formula: C15H22N2

SMILES: CN(C)C(=NC1CCCCC1)c1ccccc1

Mol. weight [g/mol]: 230.35

Physical Properties

Property code	Value	Unit	Source
hf	77.88	kJ/mol	Joback Method
hvap	57.13	kJ/mol	Joback Method
log10ws	-3.54		Crippen Method
logp	3.327		Crippen Method
mcvol	203.250	ml/mol	McGowan Method
pc	2021.76	kPa	Joback Method
rinpol	1725.00		NIST Webbook
rinpol	1725.00		NIST Webbook
tb	677.83	K	Joback Method
tc	919.86	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=R159138&Units=SI

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

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