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

Inchi: InChI=1S/C16H24N2/c1-18(2)16(13-14-9-5-3-6-10-14)17-15-11-7-4-8-12-15/h3,5-6,9-10,
InchiKey: GJXYQYQAGZNKKC-WUKNDPDISA-N
Formula: C16H24N2
SMILES: CN(C)C(Cc1ccccc1)=NC1CCCCC1
Mol. weight [g/mol]: 244.38

Physical Properties

Property code	Value	Unit	Source
hf	57.24	kJ/mol	Joback Method
hvap	59.35	kJ/mol	Joback Method
log10ws	-3.86		Crippen Method
logp	3.522		Crippen Method
mcvol	217.340	ml/mol	McGowan Method
pc	1857.91	kPa	Joback Method
rinpol	1926.00		NIST Webbook
rinpol	1926.00		NIST Webbook
tb	700.71	K	Joback Method
tc	937.76	K	Joback Method

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=R162268&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