N,N-Dimethyl-N'-cyclohexyl-p-methoxybenzamidi

Inchi: InChI=1S/C16H24N2O/c1-18(2)16(17-14-7-5-4-6-8-14)13-9-11-15(19-3)12-10-13/h9-12,1
InchiKey: JZTBEUOYZSJINC-UHFFFAOYSA-N
Formula: C16H24N2O
SMILES: COc1ccc(C(=NC2CCCCC2)N(C)C)cc1
Mol. weight [g/mol]: 260.37

Physical Properties

Property code	Value	Unit	Source
hf	-86.45	kJ/mol	Joback Method
hvap	62.42	kJ/mol	Joback Method
log10ws	-3.66		Crippen Method
logp	3.336		Crippen Method
mcvol	223.210	ml/mol	McGowan Method
pc	1807.70	kPa	Joback Method
rinpol	1946.00		NIST Webbook
rinpol	1946.00		NIST Webbook
tb	728.11	K	Joback Method
tc	962.55	K	Joback Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=R159158&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
McGowan Method: http://link.springer.com/article/10.1007/BF02311772

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