N,N-Dimethyl-N'-decyl-benzamidine

Inchi: InChI=1S/C19H32N2/c1-4-5-6-7-8-9-10-14-17-20-19(21(2)3)18-15-12-11-13-16-18/h11-1
InchiKey: GWMPNBFTDPWXCX-UHFFFAOYSA-N
Formula: C19H32N2
SMILES: CCCCCCCCCCN=C(c1ccccc1)N(C)C
Mol. weight [g/mol]: 288.47

Physical Properties

Property code	Value	Unit	Source
hf	-59.00	kJ/mol	Joback Method
hvap	65.60	kJ/mol	Joback Method
log10ws	-5.21		Crippen Method
logp	5.136		Crippen Method
mcvol	270.470	ml/mol	McGowan Method
pc	1263.75	kPa	Joback Method
rinpol	2086.00		NIST Webbook
tb	749.80	K	Joback Method
tc	947.94	K	Joback Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=R159178&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