N,N-Dimethyl-N'-(4-nitrophenyl)-benzamidine

Inchi: InChI=1S/C15H15N3O2/c1-17(2)15(12-6-4-3-5-7-12)16-13-8-10-14(11-9-13)18(19)20/h3
InchiKey: KSJNUBHJHCGRQW-FOCLMDBBSA-N
Formula: C15H15N3O2
SMILES: CN(C)C(=Nc1ccc([N+](=O)[O-])cc1)c1ccccc1
Mol. weight [g/mol]: 269.30

Physical Properties

Property code	Value	Unit	Source
hf	237.86	kJ/mol	Joback Method
hvap	76.23	kJ/mol	Joback Method
log10ws	-3.89		Crippen Method
logp	3.235		Crippen Method
mcvol	207.770	ml/mol	McGowan Method
pc	2265.42	kPa	Joback Method
rinpol	2415.00		NIST Webbook
rinpol	2415.00		NIST Webbook
tb	841.78	K	Joback Method
tc	1108.62	K	Joback Method

Sources

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
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=R159014&Units=SI

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