N,N-Dimethyl-N'-(3-nitrophenyl)-p-methylbenzami

Inchi: InChI=1S/C16H17N3O2/c1-12-7-9-13(10-8-12)16(18(2)3)17-14-5-4-6-15(11-14)19(20)21
InchiKey: YYCMUEFRWIKHAC-UHFFFAOYSA-N
Formula: C16H17N3O2
SMILES: Cc1ccc(C(=Nc2cccc([N+](=O)[O-])c2)N(C)C)cc1
Mol. weight [g/mol]: 283.33

Physical Properties

Property code	Value	Unit	Source
hf	205.75	kJ/mol	Joback Method
hvap	79.11	kJ/mol	Joback Method
log10ws	-4.37		Crippen Method
logp	3.543		Crippen Method
mcvol	221.860	ml/mol	McGowan Method
pc	2043.76	kPa	Joback Method
rinpol	2341.00		NIST Webbook
tb	869.64	K	Joback Method
tc	1131.49	K	Joback Method

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=R158808&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