N,N-Dimethyl-2-phenyl-N'-(3-nitrophenyl)-acetami

Inchi: InChI=1S/C16H17N3O2/c1-18(2)16(11-13-7-4-3-5-8-13)17-14-9-6-10-15(12-14)19(20)21
InchiKey: VEWXQPHGXDPFKW-WUKNDPDISA-N
Formula: C16H17N3O2
SMILES: CN(C)C(Cc1ccccc1)=Nc1cccc([N+](=O)[O-])c1
Mol. weight [g/mol]: 283.33

Physical Properties

Property code	Value	Unit	Source
hf	217.22	kJ/mol	Joback Method
hvap	78.45	kJ/mol	Joback Method
log10ws	-4.21		Crippen Method
logp	3.429		Crippen Method
mcvol	221.860	ml/mol	McGowan Method
pc	2071.76	kPa	Joback Method
rinpol	2511.00		NIST Webbook
tb	864.66	K	Joback Method
tc	1125.85	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=R162179&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