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

Inchi: InChI=1S/C15H14ClN3O2/c1-18(2)15(11-6-8-12(16)9-7-11)17-13-4-3-5-14(10-13)19(20)
InchiKey: MIXILJJZHSVUPQ-BMRADRMJSA-N
Formula: C15H14ClN3O2
SMILES: CN(C)C(=Nc1cccc([N+](=O)[O-])c1)c1ccc(Cl)cc1
Mol. weight [g/mol]: 303.74

Physical Properties

Property code	Value	Unit	Source
hf	210.65	kJ/mol	Joback Method
hvap	81.27	kJ/mol	Joback Method
log10ws	-4.58		Crippen Method
logp	3.888		Crippen Method
mcvol	220.010	ml/mol	McGowan Method
pc	2157.31	kPa	Joback Method
rinpol	2460.00		NIST Webbook
rinpol	2460.00		NIST Webbook
tb	884.19	K	Joback Method
tc	1152.81	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=R158784&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