N,N-Dimethyl-2-phenyl-N'-(3-ethoxyphenyl)-acetar

Inchi: InChI=1S/C18H22N2O/c1-4-21-17-12-8-11-16(14-17)19-18(20(2)3)13-15-9-6-5-7-10-15/h
InchiKey: MFDYHJYYIJLQDF-UHFFFAOYSA-N
Formula: C18H22N2O
SMILES: CCOc1cccc(N=C(Cc2ccccc2)N(C)C)c1
Mol. weight [g/mol]: 282.38

Physical Properties

Property code	Value	Unit	Source
hf	54.48	kJ/mol	Joback Method
hvap	68.72	kJ/mol	Joback Method
log10ws	-4.09		Crippen Method
logp	3.920		Crippen Method
mcvol	238.490	ml/mol	McGowan Method
pc	1710.36	kPa	Joback Method
rinpol	2314.00		NIST Webbook
rinpol	2314.00		NIST Webbook
tb	781.00	K	Joback Method
tc	1013.41	K	Joback Method

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=R162144&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