

N,N-Dimethyl-N'-(3-ethoxyphenyl)-p-chlorobenzamide

Inchi: InChI=1S/C17H19ClN2O/c1-4-21-16-7-5-6-15(12-16)19-17(20(2)3)13-8-10-14(18)11-9-1
InchiKey: MBNAAHOWHALNRB-UHFFFAOYSA-N
Formula: C17H19ClN2O
SMILES: CCOc1cccc(N=C(c2ccc(Cl)cc2)N(C)C)c1
Mol. weight [g/mol]: 302.80

Physical Properties

Property code	Value	Unit	Source
hf	47.91	kJ/mol	Joback Method
hvap	71.54	kJ/mol	Joback Method
log10ws	-4.46		Crippen Method
logp	4.379		Crippen Method
mcvol	236.640	ml/mol	McGowan Method
pc	1774.35	kPa	Joback Method
rinpol	2250.00		NIST Webbook
rinpol	2250.00		NIST Webbook
tb	800.53	K	Joback Method
tc	1040.09	K	Joback Method

Sources

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=R158660&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

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

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