N-(4-Ethoxyphenyl)-N'-(4-chlorophenyl)formamidi

Inchi: InChI=1S/C15H15ClN2O/c1-2-19-15-9-7-14(8-10-15)18-11-17-13-5-3-12(16)4-6-13/h3-1
InchiKey: XDEFUYUJCNOMQI-UHFFFAOYSA-N
Formula: C15H15ClN2O
SMILES: CCOc1ccc(NC=Nc2ccc(Cl)cc2)cc1
Mol. weight [g/mol]: 274.75

Physical Properties

Property code	Value	Unit	Source
hf	84.92	kJ/mol	Joback Method
hvap	71.41	kJ/mol	Joback Method
log10ws	-4.58		Crippen Method
logp	4.511		Crippen Method
mcvol	208.460	ml/mol	McGowan Method
pc	2119.73	kPa	Joback Method
rinpol	2509.00		NIST Webbook
rinpol	2509.00		NIST Webbook
tb	792.62	K	Joback Method
tc	1038.53	K	Joback Method

Sources

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=R161601&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

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