N-(4-Methoxyphenyl)-N'-(4-chlorophenyl)formami

Inchi: InChI=1S/C14H13ClN2O/c1-18-14-8-6-13(7-9-14)17-10-16-12-4-2-11(15)3-5-12/h2-10H,
InchiKey: GIXZGPGCHKFOPY-UHFFFAOYSA-N
Formula: C14H13ClN2O
SMILES: COc1ccc(NC=Nc2ccc(Cl)cc2)cc1
Mol. weight [g/mol]: 260.72

Physical Properties

Property code	Value	Unit	Source
hf	105.56	kJ/mol	Joback Method
hvap	69.18	kJ/mol	Joback Method
log10ws	-4.16		Crippen Method
logp	4.120		Crippen Method
mcvol	194.370	ml/mol	McGowan Method
pc	2320.31	kPa	Joback Method
rinpol	2443.00		NIST Webbook
rinpol	2443.00		NIST Webbook
tb	769.74	K	Joback Method
tc	1020.73	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=R161621&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