N-(4-Methylphenyl)-N'-(4-methoxyphenyl)formami

Inchi: InChI=1S/C15H16N2O/c1-12-3-5-13(6-4-12)16-11-17-14-7-9-15(18-2)10-8-14/h3-11H,1-

InchiKey: RIBQVSOEVSHCTH-UHFFFAOYSA-N

Formula: C15H16N2O

SMILES: COc1ccc(NC=Nc2ccc(C)cc2)cc1

Mol. weight [g/mol]: 240.30

Physical Properties

Property code	Value	Unit	Source
hf	100.66	kJ/mol	Joback Method
hvap	67.02	kJ/mol	Joback Method
log10ws	-3.95		Crippen Method
logp	3.776		Crippen Method
mcvol	196.220	ml/mol	McGowan Method
pc	2193.84	kPa	Joback Method
rinpol	2326.00		NIST Webbook
tb	755.19	K	Joback Method
tc	999.07	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=R161676&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