N-(3-Methylphenyl)-N'-(3-ethoxyphenyl)formamidi

Inchi: InChI=1S/C16H18N2O/c1-3-19-16-9-5-8-15(11-16)18-12-17-14-7-4-6-13(2)10-14/h4-12H
InchiKey: JWXBNPOXKQYGLF-UHFFFAOYSA-N
Formula: C16H18N2O
SMILES: CCOc1cccc(N=CNc2cccc(C)c2)c1
Mol. weight [g/mol]: 254.33

Physical Properties

Property code	Value	Unit	Source
hf	80.02	kJ/mol	Joback Method
hvap	69.25	kJ/mol	Joback Method
log10ws	-4.37		Crippen Method
logp	4.166		Crippen Method
mcvol	210.310	ml/mol	McGowan Method
pc	2009.10	kPa	Joback Method
rinpol	2384.00		NIST Webbook
rinpol	2384.00		NIST Webbook
tb	778.07	K	Joback Method
tc	1017.26	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=R161572&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