

N-(4-Methylphenyl)-N'-(4-ethoxyphenyl)formamidi

Inchi: InChI=1S/C16H18N2O/c1-3-19-16-10-8-15(9-11-16)18-12-17-14-6-4-13(2)5-7-14/h4-12H
InchiKey: QWRIEEFVFXZKKI-UHFFFAOYSA-N
Formula: C16H18N2O
SMILES: CCOc1ccc(N=CNc2ccc(C)cc2)cc1
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	2409.00		NIST Webbook
rinpol	2409.00		NIST Webbook
tb	778.07	K	Joback Method
tc	1017.26	K	Joback Method

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=R161661&Units=SI>
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>

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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