N1N1-dimethyl-N2-ortho-methylphenylformamidir

Inchi: InChI=1S/C10H14N2/c1-9-6-4-5-7-10(9)11-8-12(2)3/h4-8H,1-3H3
InchiKey: VTJDEAHIKIEJET-UHFFFAOYSA-N
Formula: C10H14N2
SMILES: Cc1ccccc1N=CN(C)C
Mol. weight [g/mol]: 162.23

Physical Properties

Property code	Value	Unit	Source
hf	125.08	kJ/mol	Joback Method
hvap	46.15	kJ/mol	Joback Method
log10ws	-2.00		Crippen Method
logp	2.216		Crippen Method
mcvol	143.660	ml/mol	McGowan Method
pc	2579.34	kPa	Joback Method
rinpol	1470.00		NIST Webbook
rinpol	1470.00		NIST Webbook
tb	548.98	K	Joback Method
tc	770.87	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=R164011&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