N,N-Dimethyl-N'-(3-methylphenyl)-pivalamidine

Inchi: InChI=1S/C14H22N2/c1-11-8-7-9-12(10-11)15-13(16(5)6)14(2,3)4/h7-10H,1-6H3/b15-13
InchiKey: XQHKJRUVHPFVDR-FYWRMAATSA-N
Formula: C14H22N2
SMILES: Cc1cccc(N=C(N(C)C)C(C)(C)C)c1
Mol. weight [g/mol]: 218.34

Physical Properties

Property code	Value	Unit	Source
hf	23.98	kJ/mol	Joback Method
hvap	53.84	kJ/mol	Joback Method
log10ws	-3.43		Crippen Method
logp	3.633		Crippen Method
mcvol	200.020	ml/mol	McGowan Method
pc	1843.58	kPa	Joback Method
rinpol	1590.00		NIST Webbook
tb	637.15	K	Joback Method
tc	860.09	K	Joback Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=R162446&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