

N'-(4-methyl-phenyl)-N,N-dimethyl-acetamidine

Inchi:	InChI=1S/C11H16N2/c1-9-5-7-11(8-6-9)12-10(2)13(3)4/h5-8H,1-4H3
InchiKey:	XIEBYTPGMMTHGE-UHFFFAOYSA-N
Formula:	C11H16N2
SMILES:	CC(=Nc1ccc(C)cc1)N(C)C
Mol. weight [g/mol]:	176.26

Physical Properties

Property code	Value	Unit	Source
hf	94.65	kJ/mol	Joback Method
hvap	48.45	kJ/mol	Joback Method
log10ws	-2.42		Crippen Method
logp	2.607		Crippen Method
mcvol	157.750	ml/mol	McGowan Method
pc	2356.49	kPa	Joback Method
rinpol	1549.00		NIST Webbook
tb	571.74	K	Joback Method
tc	793.72	K	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R153452&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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