

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

Inchi:	InChI=1S/C12H18N2/c1-5-12(14(3)4)13-11-8-6-7-10(2)9-11/h6-9H,5H2,1-4H3/b13-12+
InchiKey:	JJVIAQMPAJJHRL-OUKQBFOZSA-N
Formula:	C12H18N2
SMILES:	CCC(=Nc1cccc(C)c1)N(C)C
Mol. weight [g/mol]:	190.28

Physical Properties

Property code	Value	Unit	Source
hf	74.01	kJ/mol	Joback Method
hvap	50.68	kJ/mol	Joback Method
log10ws	-2.84		Crippen Method
logp	2.997		Crippen Method
mcvol	171.840	ml/mol	McGowan Method
pc	2151.31	kPa	Joback Method
rinpol	1590.00		NIST Webbook
tb	594.62	K	Joback Method
tc	812.64	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=R161923&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

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