

# N,N-Dimethyl-N'-propyl-p-methylbenzamidine

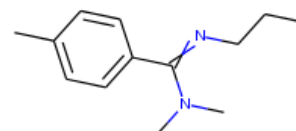
**InChI:** InChI=1S/C13H20N2/c1-5-10-14-13(15(3)4)12-8-6-11(2)7-9-12/h6-9H,5,10H2,1-4H3

**InChI Key:** DACXEBLNSXSFBQ-UHFFFAOYSA-N

**Formula:** C13H20N2

**SMILES:** CCCN=C(c1ccc(C)cc1)N(C)C

**Molecular Weight:** 204.31



## Physical Properties

Property	Value	Unit	Source
$\Delta_f H^\circ_{\text{gas}}$	53.37	kJ/mol	Joback Method
$\Delta_{\text{vap}} H^\circ$	52.91	kJ/mol	Joback Method
$\log P_{\text{oct/wat}}$	2.71		Crippen Method
$P_c$	1971.80	kPa	Joback Method
$T_{\text{boil}}$	617.50	K	Joback Method
$T_c$	831.78	K	Joback Method

## Sources

**Joback Method:** [https://en.wikipedia.org/wiki/Joback\\_method](https://en.wikipedia.org/wiki/Joback_method)

**NIST Webbook:** [http://webbook.nist.gov/cgi/inchi/InChI=1S/C13H20N2/c1-5-10-14-13\(15\(3\)4\)12-8-6-11\(2\)7-9-12/h6-9H,5,10H2,1-4H3](http://webbook.nist.gov/cgi/inchi/InChI=1S/C13H20N2/c1-5-10-14-13(15(3)4)12-8-6-11(2)7-9-12/h6-9H,5,10H2,1-4H3)

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

## Legend

$\Delta_f H^\circ_{\text{gas}}$ : Enthalpy of formation at standard conditions (kJ/mol).

$\Delta_{\text{vap}} H^\circ$ : Enthalpy of vaporization at standard conditions (kJ/mol).

$\log P_{\text{oct/wat}}$ : Octanol/Water partition coefficient .

$P_c$ : Critical Pressure (kPa).

$T_{\text{boil}}$ : Normal Boiling Point Temperature (K).

$T_c$ : Critical Temperature (K).

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