

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

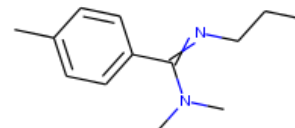
InChI: InChI=1S/C13H20N2/c1-5-10-14-13(15(3)4)12-8-6-11(2)7-9-12/h6-9H,5,10H2,1-4H3

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
$\log P_{\text{oct/wat}}$	2.713		Crippen Method
P_c	1971.80	kPa	Joback Method
T_{boil}	617.50	K	Joback Method
T_c	831.78	K	Joback Method

Sources

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_{boil} : Normal Boiling Point Temperature (K).

T_c : Critical Temperature (K).

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