

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

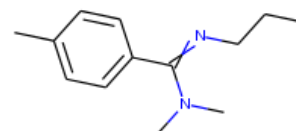
InChI: InChI=1S/C13H20N2/c1-5-10-14-13(15(3)4)12-8-6-11(2)7-9-12/h6-9H,5,10H2,1-4H3

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_{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).

Latest version available from:

<https://www.cheméo.com/cid/35-692-5/N%2CN-Dimethyl-N%27-propyl-p-methylbenzamidine>

Generated by Cheméo on Sat, 18 Nov 2017 01:14:04 +0000.

Cheméo (<https://www.cheméo.com>) is the biggest free database of chemical and physical data for the process industry.