

N,N-Dimethyl-N'-phenyl-p-chlorobenzamide

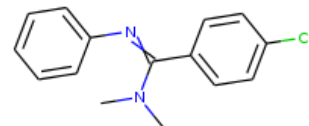
InChI: InChI=1S/C15H15ClN2/c1-18(2)15(12-8-10-13(16)11-9-12)17-14-6-4-3-5-7-14/h3-11H,1-2H3

InChI Key: PZTRCNWKIDVVPO-UHFFFAOYSA-N

Formula: C₁₅H₁₅ClN₂

SMILES: CN(C)C(=Nc1ccccc1)c1ccc(Cl)cc1

Molecular Weight: 258.75



Physical Properties

Property	Value	Unit	Source
$\Delta_f H^\circ_{\text{gas}}$	232.88	kJ/mol	Joback Method
$\Delta_{\text{vap}} H^\circ$	64.02	kJ/mol	Joback Method
$\log P_{\text{oct/wat}}$	3.98		Crippen Method
P_c	2163.33	kPa	Joback Method
T_{boil}	727.37	K	Joback Method
T_c	979.92	K	Joback Method

Sources

Joback Method: https://en.wikipedia.org/wiki/Joback_method

NIST Webbook: [http://webbook.nist.gov/cgi/inchi/InChI=1S/C15H15ClN2/c1-18\(2\)15\(12-8-10-13\(16\)11-9-12\)17-14-6-4-3-5-7-14/h3-11H,1-2H3](http://webbook.nist.gov/cgi/inchi/InChI=1S/C15H15ClN2/c1-18(2)15(12-8-10-13(16)11-9-12)17-14-6-4-3-5-7-14/h3-11H,1-2H3)

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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