

# N,N-Dimethyl-N'-(4-nitrophenyl)-pivalamidine

**Inchi:** InChI=1S/C13H19N3O2/c1-13(2,3)12(15(4)5)14-10-6-8-11(9-7-10)16(17)18/h6-9H,1-5H3  
**InchiKey:** WHUWWSOADACHNY-WYMLVPIESA-N  
**Formula:** C13H19N3O2  
**SMILES:** CN(C)C(=Nc1ccc([N+](=O)[O-])cc1)C(C)(C)C  
**Mol. weight [g/mol]:** 249.31

## Physical Properties

Property code	Value	Unit	Source
hf	33.86	kJ/mol	Joback Method
hvap	68.20	kJ/mol	Joback Method
log10ws	-3.61		Crippen Method
logp	3.232		Crippen Method
mcvol	203.350	ml/mol	McGowan Method
pc	2027.23	kPa	Joback Method
rinpol	2120.00		NIST Webbook
tb	766.11	K	Joback Method
tc	1013.05	K	Joback Method

## Sources

**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)  
**Joback Method:** [https://en.wikipedia.org/wiki/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=R162580&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307l>

## Legend

**hf:** Enthalpy of formation at standard conditions  
**hvap:** Enthalpy of vaporization at standard conditions  
**log10ws:** Log10 of Water solubility in mol/l

<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>rinpol:</b>	Non-polar retention indices
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature

Latest version available from:

<https://www.cheméo.com/cid/41-559-6/N-N-Dimethyl-N-4-nitrophenyl-pivalamidine.pdf>

Generated by Cheméo on 2026-05-18 11:42:59.405680698 +0000 UTC m=+2869928.463762920.

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