

# N,N-Dimethyl-2-phenyl-N'-butyl-acetamide

<b>Inchi:</b>	InChI=1S/C14H22N2/c1-4-5-11-15-14(16(2)3)12-13-9-7-6-8-10-13/h6-10H,4-5,11-12H2,
<b>InchiKey:</b>	PFQZOWUKYWMPUIU-UHFFFAOYSA-N
<b>Formula:</b>	C14H22N2
<b>SMILES:</b>	CCCCN=C(Cc1ccccc1)N(C)C
<b>Mol. weight [g/mol]:</b>	218.34

## Physical Properties

Property code	Value	Unit	Source
hf	44.20	kJ/mol	Joback Method
hvap	54.47	kJ/mol	Joback Method
log10ws	-3.02		Crippen Method
logp	2.989		Crippen Method
mcvol	200.020	ml/mol	McGowan Method
pc	1837.26	kPa	Joback Method
rinpol	1697.00		NIST Webbook
rinpol	1697.00		NIST Webbook
tb	635.40	K	Joback Method
tc	845.31	K	Joback Method

## Sources

<b>Joback Method:</b>	<a href="https://en.wikipedia.org/wiki/Joback_method">https://en.wikipedia.org/wiki/Joback_method</a>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=R162253&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R162253&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307I">http://pubs.acs.org/doi/abs/10.1021/ci990307I</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>

## Legend

<b>hf:</b>	Enthalpy of formation at standard conditions
<b>hvap:</b>	Enthalpy of vaporization at standard conditions

<b>log10ws:</b>	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/22-753-1/N-N-Dimethyl-2-phenyl-N-butyl-acetamidine.pdf>

Generated by Cheméo on 2024-04-29 23:28:26.008208733 +0000 UTC m=+16722554.928786045.

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