

# N,N-Dimethyl-N'-propyl-p-methoxybenzamide

<b>Inchi:</b>	InChI=1S/C13H20N2O/c1-5-10-14-13(15(2)3)11-6-8-12(16-4)9-7-11/h6-9H,5,10H2,1-4H3
<b>InchiKey:</b>	WZTHYDSLEOODDR-BUHFOSPRSA-N
<b>Formula:</b>	C13H20N2O
<b>SMILES:</b>	CCCN=C(c1ccc(OC)cc1)N(C)C
<b>Mol. weight [g/mol]:</b>	220.31

## Physical Properties

Property code	Value	Unit	Source
hf	-78.85	kJ/mol	Joback Method
hvap	55.32	kJ/mol	Joback Method
log10ws	-2.40		Crippen Method
logp	2.413		Crippen Method
mcvol	191.800	ml/mol	McGowan Method
pc	1942.37	kPa	Joback Method
rinpol	1734.00		NIST Webbook
rinpol	1734.00		NIST Webbook
tb	639.92	K	Joback Method
tc	851.78	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=R159470&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R159470&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

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