

# Aniline, n,2-di-tert-butyl-4-methyl-

<b>Inchi:</b>	InChI=1S/C15H25N/c1-11-8-9-13(16-15(5,6)7)12(10-11)14(2,3)4/h8-10,16H,1-7H3
<b>InchiKey:</b>	MIJMSAQDACBSQA-UHFFFAOYSA-N
<b>Formula:</b>	C15H25N
<b>SMILES:</b>	<chem>Cc1ccc(NC(C)(C)C)c(C(C)(C)C)c1</chem>
<b>Mol. weight [g/mol]:</b>	219.37

## Physical Properties

Property code	Value	Unit	Source
gf	263.64	kJ/mol	Joback Method
hf	-103.37	kJ/mol	Joback Method
hfus	18.14	kJ/mol	Joback Method
hvap	56.43	kJ/mol	Joback Method
log10ws	-4.64		Crippen Method
logp	4.503		Crippen Method
mcvol	208.430	ml/mol	McGowan Method
pc	1880.53	kPa	Joback Method
tb	622.95	K	Joback Method
tc	839.49	K	Joback Method
tf	367.77	K	Joback Method
vc	0.780	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	557.04	J/molxK	622.95	Joback Method
cpg	576.49	J/molxK	659.04	Joback Method
cpg	594.65	J/molxK	695.13	Joback Method
cpg	611.61	J/molxK	731.22	Joback Method
cpg	627.45	J/molxK	767.31	Joback Method
cpg	642.26	J/molxK	803.40	Joback Method
cpg	656.12	J/molxK	839.49	Joback Method

# Sources

<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=B6008497&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=B6008497&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>
<b>Joback Method:</b>	<a href="https://en.wikipedia.org/wiki/Joback_method">https://en.wikipedia.org/wiki/Joback_method</a>

# Legend

<b>cpg:</b>	Ideal gas heat capacity
<b>gf:</b>	Standard Gibbs free energy of formation
<b>hf:</b>	Enthalpy of formation at standard conditions
<b>hfus:</b>	Enthalpy of fusion 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>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature
<b>tf:</b>	Normal melting (fusion) point
<b>vc:</b>	Critical Volume

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