

# Aniline, 2,4,6-triisopropyl-

<b>Inchi:</b>	InChI=1S/C15H25N/c1-9(2)12-7-13(10(3)4)15(16)14(8-12)11(5)6/h7-11H,16H2,1-6H3
<b>InchiKey:</b>	FQFPALKHIHTSNY-UHFFFAOYSA-N
<b>Formula:</b>	C15H25N
<b>SMILES:</b>	CC(C)c1cc(C(C)C)c(N)c(C(C)C)c1
<b>Mol. weight [g/mol]:</b>	219.37
<b>CAS:</b>	21524-36-7

## Physical Properties

Property code	Value	Unit	Source
gf	218.07	kJ/mol	Joback Method
hf	-132.86	kJ/mol	Joback Method
hfus	22.11	kJ/mol	Joback Method
hvap	62.72	kJ/mol	Joback Method
log10ws	-4.66		Crippen Method
logp	4.639		Crippen Method
mcvol	208.430	ml/mol	McGowan Method
pc	1905.24	kPa	Joback Method
tb	655.43	K	Joback Method
tc	869.38	K	Joback Method
tf	361.05	K	Joback Method
vc	0.778	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	565.55	J/molxK	655.43	Joback Method
cpg	583.92	J/molxK	691.09	Joback Method
cpg	601.26	J/molxK	726.75	Joback Method
cpg	617.58	J/molxK	762.40	Joback Method
cpg	632.93	J/molxK	798.06	Joback Method
cpg	647.34	J/molxK	833.72	Joback Method
cpg	660.84	J/molxK	869.38	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=C21524367&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C21524367&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</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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