

# p-Nonyloxyaniline

<b>Other names:</b>	4-n-Nonyloxyaniline
<b>Inchi:</b>	InChI=1S/C15H25NO/c1-2-3-4-5-6-7-8-13-17-15-11-9-14(16)10-12-15/h9-12H,2-8,13,16
<b>InchiKey:</b>	JQLBBFVOAHUASD-UHFFFAOYSA-N
<b>Formula:</b>	C15H25NO
<b>SMILES:</b>	CCCCCCCCCOc1ccc(N)cc1
<b>Mol. weight [g/mol]:</b>	235.37
<b>CAS:</b>	50262-67-4

## Physical Properties

Property code	Value	Unit	Source
gf	139.65	kJ/mol	Joback Method
hf	-226.30	kJ/mol	Joback Method
hfus	34.64	kJ/mol	Joback Method
hvap	64.97	kJ/mol	Joback Method
log10ws	-4.57		Crippen Method
logp	4.398		Crippen Method
mcvol	214.300	ml/mol	McGowan Method
pc	1887.08	kPa	Joback Method
tb	669.21	K	Joback Method
tc	868.30	K	Joback Method
tf	403.24	K	Joback Method
vc	0.815	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	593.07	J/molxK	669.21	Joback Method
cpg	610.31	J/molxK	702.39	Joback Method
cpg	626.61	J/molxK	735.57	Joback Method
cpg	641.99	J/molxK	768.76	Joback Method
cpg	656.49	J/molxK	801.94	Joback Method
cpg	670.13	J/molxK	835.12	Joback Method
cpg	682.94	J/molxK	868.30	Joback Method

# Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	450.50 ± 1.50	K	0.30	NIST Webbook

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C50262674&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C50262674&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</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>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</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>tbrp:</b>	Boiling point at reduced pressure
<b>tc:</b>	Critical Temperature
<b>tf:</b>	Normal melting (fusion) point
<b>vc:</b>	Critical Volume

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