

# 10-Nonadecanamine

<b>Other names:</b>	10-Aminononadecane nonadecan-10-amine
<b>Inchi:</b>	InChI=1S/C19H41N/c1-3-5-7-9-11-13-15-17-19(20)18-16-14-12-10-8-6-4-2/h19H,3-18,20
<b>InchiKey:</b>	DEKCSXCNXGALFT-UHFFFAOYSA-N
<b>Formula:</b>	C19H41N
<b>SMILES:</b>	CCCCCCCCC(N)CCCCCCCCC
<b>Mol. weight [g/mol]:</b>	283.54
<b>CAS:</b>	3241-23-4

## Physical Properties

Property code	Value	Unit	Source
gf	173.11	kJ/mol	Joback Method
hf	-406.98	kJ/mol	Joback Method
hfus	46.64	kJ/mol	Joback Method
hvap	68.14	kJ/mol	Joback Method
log10ws	-7.32		Crippen Method
logp	6.595		Crippen Method
mvol	288.550	ml/mol	McGowan Method
pc	1128.35	kPa	Joback Method
tb	706.21	K	Joback Method
tc	877.89	K	Joback Method
tf	372.15	K	Joback Method
vc	1.123	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	868.25	J/mol×K	706.21	Joback Method
cpg	888.44	J/mol×K	734.82	Joback Method
cpg	907.71	J/mol×K	763.44	Joback Method
cpg	926.09	J/mol×K	792.05	Joback Method
cpg	943.62	J/mol×K	820.66	Joback Method
cpg	960.33	J/mol×K	849.28	Joback Method
cpg	976.25	J/mol×K	877.89	Joback Method

# Sources

<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.cheméo.com/doc/models/crippen_log10ws">https://www.cheméo.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>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C3241234&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C3241234&amp;Units=SI</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>h vap:</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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