

# Hexanamide, N-ethyl-N-nonyl-

<b>Inchi:</b>	InChI=1S/C17H35NO/c1-4-7-9-10-11-12-14-16-18(6-3)17(19)15-13-8-5-2/h4-16H2,1-3H1
<b>InchiKey:</b>	JRCSIJHWRCSEFPC-UHFFFAOYSA-N
<b>Formula:</b>	C17H35NO
<b>SMILES:</b>	CCCCCCCCCN(CC)C(=O)CCCC
<b>Mol. weight [g/mol]:</b>	269.47

## Physical Properties

Property code	Value	Unit	Source
gf	74.12	kJ/mol	Joback Method
hf	-439.26	kJ/mol	Joback Method
hfus	44.41	kJ/mol	Joback Method
hvap	62.23	kJ/mol	Joback Method
log10ws	-5.28		Crippen Method
logp	5.166		Crippen Method
mvol	261.940	ml/mol	McGowan Method
pc	1285.59	kPa	Joback Method
rinpol	2198.00		NIST Webbook
rinpol	2198.00		NIST Webbook
tb	654.67	K	Joback Method
tc	821.09	K	Joback Method
tf	363.75	K	Joback Method
vc	1.012	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	741.88	J/mol×K	654.67	Joback Method
cpg	760.70	J/mol×K	682.41	Joback Method
cpg	778.69	J/mol×K	710.14	Joback Method
cpg	795.87	J/mol×K	737.88	Joback Method
cpg	812.26	J/mol×K	765.62	Joback Method
cpg	827.90	J/mol×K	793.35	Joback Method
cpg	842.81	J/mol×K	821.09	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.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>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=U415426&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U415426&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>hvp:</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>rinp:</b>	Non-polar retention indices
<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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