

# Hexanamide, N-ethyl-N-pentyl-

<b>Inchi:</b>	InChI=1S/C13H27NO/c1-4-7-9-11-13(15)14(6-3)12-10-8-5-2/h4-12H2,1-3H3
<b>InchiKey:</b>	NPSMBHKOHAORCW-UHFFFAOYSA-N
<b>Formula:</b>	C13H27NO
<b>SMILES:</b>	CCCCC(=O)N(CC)CCCC
<b>Mol. weight [g/mol]:</b>	213.36

## Physical Properties

Property code	Value	Unit	Source
gf	40.44	kJ/mol	Joback Method
hf	-356.70	kJ/mol	Joback Method
hfus	34.05	kJ/mol	Joback Method
hvap	53.32	kJ/mol	Joback Method
log10ws	-3.61		Crippen Method
logp	3.605		Crippen Method
mvol	205.580	ml/mol	McGowan Method
pc	1728.90	kPa	Joback Method
rinpol	1885.00		NIST Webbook
rinpol	1885.00		NIST Webbook
tb	563.15	K	Joback Method
tc	730.89	K	Joback Method
tf	318.67	K	Joback Method
vc	0.787	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	523.59	J/mol×K	563.15	Joback Method
cpg	540.63	J/mol×K	591.11	Joback Method
cpg	556.92	J/mol×K	619.06	Joback Method
cpg	572.50	J/mol×K	647.02	Joback Method
cpg	587.39	J/mol×K	674.98	Joback Method
cpg	601.60	J/mol×K	702.94	Joback Method
cpg	615.17	J/mol×K	730.89	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=U415421&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U415421&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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