

# Hexanamide, N-ethyl-N-heptyl-

<b>Inchi:</b>	InChI=1S/C15H31NO/c1-4-7-9-10-12-14-16(6-3)15(17)13-11-8-5-2/h4-14H2,1-3H3
<b>InchiKey:</b>	INEZVAZITUKCDF-UHFFFAOYSA-N
<b>Formula:</b>	C15H31NO
<b>SMILES:</b>	CCCCCCCN(CC)C(=O)CCCC
<b>Mol. weight [g/mol]:</b>	241.41

## Physical Properties

Property code	Value	Unit	Source
gf	57.28	kJ/mol	Joback Method
hf	-397.98	kJ/mol	Joback Method
hfus	39.23	kJ/mol	Joback Method
hvap	57.77	kJ/mol	Joback Method
log10ws	-4.45		Crippen Method
logp	4.386		Crippen Method
mvol	233.760	ml/mol	McGowan Method
pc	1482.71	kPa	Joback Method
rinpol	2047.00		NIST Webbook
tb	608.91	K	Joback Method
tc	775.35	K	Joback Method
tf	341.21	K	Joback Method
vc	0.899	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	630.00	J/mol×K	608.91	Joback Method
cpg	647.99	J/mol×K	636.65	Joback Method
cpg	665.20	J/mol×K	664.39	Joback Method
cpg	681.65	J/mol×K	692.13	Joback Method
cpg	697.35	J/mol×K	719.87	Joback Method
cpg	712.34	J/mol×K	747.61	Joback Method
cpg	726.65	J/mol×K	775.35	Joback Method

# Sources

<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=U415424&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U415424&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>

# 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>hvac:</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>mccol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>rinpol:</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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