

# 1-Nitrotetradec-1-ene

<b>Inchi:</b>	InChI=1S/C14H27NO2/c1-2-3-4-5-6-7-8-9-10-11-12-13-14-15(16)17/h13-14H,2-12H2,1H
<b>InchiKey:</b>	JXKYLLCYKPPNX-BUHFOSPRSA-N
<b>Formula:</b>	C14H27NO2
<b>SMILES:</b>	CCCCCCCCCCCC=C[N+](=O)[O-]
<b>Mol. weight [g/mol]:</b>	241.37

## Physical Properties

Property code	Value	Unit	Source
gf	182.77	kJ/mol	Joback Method
hf	-225.83	kJ/mol	Joback Method
hfus	43.58	kJ/mol	Joback Method
hvap	63.31	kJ/mol	Joback Method
log10ws	-6.12		Crippen Method
logp	5.088		Crippen Method
mcvol	221.240	ml/mol	McGowan Method
pc	1602.56	kPa	Joback Method
rinqol	1913.00		NIST Webbook
tb	675.72	K	Joback Method
tc	865.95	K	Joback Method
tf	386.07	K	Joback Method
vc	0.881	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	621.16	J/molxK	675.72	Joback Method
cpg	637.89	J/molxK	707.42	Joback Method
cpg	653.76	J/molxK	739.13	Joback Method
cpg	668.82	J/molxK	770.83	Joback Method
cpg	683.10	J/molxK	802.54	Joback Method
cpg	696.65	J/molxK	834.24	Joback Method
cpg	709.51	J/molxK	865.95	Joback Method

# Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=R518626&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R518626&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>
<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>mccvol:</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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