

# 11-Heneicosanol

<b>Other names:</b>	henicosan-11-ol
<b>Inchi:</b>	InChI=1S/C21H44O/c1-3-5-7-9-11-13-15-17-19-21(22)20-18-16-14-12-10-8-6-4-2/h21-22
<b>InchiKey:</b>	BCNCKKYOXRHQGT-UHFFFAOYSA-N
<b>Formula:</b>	C21H44O
<b>SMILES:</b>	CCCCCCCCCCC(O)CCCCCCCCC
<b>Mol. weight [g/mol]:</b>	312.57
<b>CAS:</b>	3381-26-8

## Physical Properties

Property code	Value	Unit	Source
gf	-13.32	kJ/mol	Joback Method
hf	-634.28	kJ/mol	Joback Method
hfus	50.71	kJ/mol	Joback Method
hvap	78.63	kJ/mol	Joback Method
log10ws	-7.99		Crippen Method
logp	7.409		Crippen Method
mcvol	312.620	ml/mol	McGowan Method
pc	1018.13	kPa	Joback Method
tb	771.62	K	Joback Method
tc	945.32	K	Joback Method
tf	372.25	K	Joback Method
vc	1.224	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	988.46	J/molxK	771.62	Joback Method
cpg	1078.95	J/molxK	916.37	Joback Method
cpg	1062.57	J/molxK	887.42	Joback Method
cpg	1045.37	J/molxK	858.47	Joback Method
cpg	1027.31	J/molxK	829.52	Joback Method
cpg	1008.35	J/molxK	800.57	Joback Method
cpg	1094.53	J/molxK	945.32	Joback Method
dvisc	0.0000150	Paxs	771.62	Joback Method

dvisc	0.0000247	Paxs	705.06	Joback Method
dvisc	0.0000449	Paxs	638.50	Joback Method
dvisc	0.0000938	Paxs	571.93	Joback Method
dvisc	0.0002381	Paxs	505.37	Joback Method
dvisc	0.0008019	Paxs	438.81	Joback Method
dvisc	0.0041684	Paxs	372.25	Joback Method

## Sources

<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=C3381268&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C3381268&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>

## Legend

<b>cpg:</b>	Ideal gas heat capacity
<b>dvisc:</b>	Dynamic viscosity
<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>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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