

# 9-Methyldec-1-en-3-ol

<b>Inchi:</b>	InChI=1S/C11H22O/c1-4-11(12)9-7-5-6-8-10(2)3/h4,10-12H,1,5-9H2,2-3H3
<b>InchiKey:</b>	KWJBHKNSWYYGPS-UHFFFAOYSA-N
<b>Formula:</b>	C11H22O
<b>SMILES:</b>	C=CC(O)CCCCC(C)C
<b>Mol. weight [g/mol]:</b>	170.29

## Physical Properties

Property code	Value	Unit	Source
gf	-12.12	kJ/mol	Joback Method
hf	-307.73	kJ/mol	Joback Method
hfus	20.01	kJ/mol	Joback Method
hvap	55.31	kJ/mol	Joback Method
log10ws	-3.41		Crippen Method
logp	3.140		Crippen Method
mcvol	167.420	ml/mol	McGowan Method
pc	2216.62	kPa	Joback Method
rinpol	1255.00		NIST Webbook
tb	539.06	K	Joback Method
tc	705.11	K	Joback Method
tf	242.79	K	Joback Method
vc	0.639	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	409.66	J/molxK	539.06	Joback Method
cpg	423.69	J/molxK	566.74	Joback Method
cpg	437.13	J/molxK	594.41	Joback Method
cpg	450.00	J/molxK	622.09	Joback Method
cpg	462.31	J/molxK	649.76	Joback Method
cpg	474.09	J/molxK	677.44	Joback Method
cpg	485.35	J/molxK	705.11	Joback Method
dvisc	0.1011688	Paxs	242.79	Joback Method
dvisc	0.0118864	Paxs	292.17	Joback Method

dvisc	0.0025939	Paxs	341.55	Joback Method
dvisc	0.0008315	Paxs	390.92	Joback Method
dvisc	0.0003440	Paxs	440.30	Joback Method
dvisc	0.0001701	Paxs	489.68	Joback Method
dvisc	0.0000957	Paxs	539.06	Joback Method

## Sources

<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=R412672&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R412672&amp;Units=SI</a>
<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>

## 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>mcvol:</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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