

# 3-methyldec-3-en-1-ol

<b>Inchi:</b>	InChI=1S/C11H22O/c1-3-4-5-6-7-8-11(2)9-10-12/h8,12H,3-7,9-10H2,1-2H3/b11-8+
<b>InchiKey:</b>	IIHSHWXQNLODTC-DHZHZOJOSA-N
<b>Formula:</b>	C11H22O
<b>SMILES:</b>	CCCCCCC=C(C)CCO
<b>Mol. weight [g/mol]:</b>	170.29

## Physical Properties

Property code	Value	Unit	Source
gf	-23.41	kJ/mol	Joback Method
hf	-315.17	kJ/mol	Joback Method
hfus	27.23	kJ/mol	Joback Method
hvap	56.80	kJ/mol	Joback Method
log10ws	-3.54		Crippen Method
logp	3.286		Crippen Method
mcvol	167.420	ml/mol	McGowan Method
pc	2214.53	kPa	Joback Method
rinpol	1308.00		NIST Webbook
rinpol	1308.00		NIST Webbook
tb	547.30	K	Joback Method
tc	713.61	K	Joback Method
tf	255.51	K	Joback Method
vc	0.651	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	410.12	J/mol×K	547.30	Joback Method
cpg	423.87	J/mol×K	575.02	Joback Method
cpg	437.03	J/mol×K	602.74	Joback Method
cpg	449.62	J/mol×K	630.46	Joback Method
cpg	461.67	J/mol×K	658.17	Joback Method
cpg	473.20	J/mol×K	685.89	Joback Method
cpg	484.24	J/mol×K	713.61	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.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=R211588&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R211588&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>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>rinpola:</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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