

# Ethchlorvynol

<b>Other names:</b>	1-Penten-4-yn-3-ol, 1-chloro-3-ethyl-Alvinol Ethchlorovynol Ethchlorvinol Ethochlorvynol Ethyl «beta»-chlorovinyl ethynyl carbinol Normosan Normoson Nostel Placidyl Serensil «beta»-Chlorovinyl ethyl ethynyl carbinol A 71 Aethyl-chlorvynol Arvynol Etchlorvinolo Ethchlorvinyl Ethychlorvynol Normonson Placidil Roeridorm Serenil 1-Chloro-3-ethyl-1-penten-4-yn-3-ol 3-(«beta»-chlorovinyl)-1-pentyn-3-ol Ethchlorvynol Serensiloline Nromoson Serenesil NSC 30372 (1E)-1-Chloro-3-ethyl-1-penten-4-yn-3-ol
<b>Inchi:</b>	InChI=1S/C7H9ClO/c1-3-7(9,4-2)5-6-8/h1,5-6,9H,4H2,2H3/b6-5+
<b>InchiKey:</b>	ZEHYJZXQEQOSON-AATRIKPKSA-N
<b>Formula:</b>	C7H9ClO
<b>SMILES:</b>	<chem>C#CC(O)(C=CCl)CC</chem>
<b>Mol. weight [g/mol]:</b>	144.60
<b>CAS:</b>	113-18-8

# Physical Properties

Property code	Value	Unit	Source
gf	165.44	kJ/mol	Joback Method
hf	44.59	kJ/mol	Joback Method
hfus	17.93	kJ/mol	Joback Method
hvap	50.76	kJ/mol	Joback Method
log10ws	-2.42		Crippen Method
logp	1.513		Crippen Method
mcvol	114.700	ml/mol	McGowan Method
pc	3829.28	kPa	Joback Method
rinpol	1005.60		NIST Webbook
rinpol	1023.00		NIST Webbook
rinpol	1030.00		NIST Webbook
rinpol	1001.00		NIST Webbook
rinpol	1001.00		NIST Webbook
rinpol	1020.00		NIST Webbook
rinpol	1030.00		NIST Webbook
rinpol	1005.60		NIST Webbook
rinpol	1030.00		NIST Webbook
ripol	1445.00		NIST Webbook
ripol	1445.00		NIST Webbook
tb	480.22	K	Joback Method
tc	676.92	K	Joback Method
tf	303.70	K	Joback Method
vc	0.426	m <sup>3</sup> /kmol	Joback Method

# Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	228.79	J/mol×K	480.22	Joback Method
cpg	237.84	J/mol×K	513.00	Joback Method
cpg	246.22	J/mol×K	545.79	Joback Method
cpg	253.99	J/mol×K	578.57	Joback Method
cpg	261.19	J/mol×K	611.35	Joback Method
cpg	267.88	J/mol×K	644.14	Joback Method
cpg	274.10	J/mol×K	676.92	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=C113188&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C113188&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>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>ripol:</b>	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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