

# Selinen-4-ol

<b>Inchi:</b>	InChI=1S/C15H26O/c1-11(2)12-6-9-14(3)7-5-8-15(4,16)13(14)10-12/h12-13,16H,1,5-10H
<b>InchiKey:</b>	DPQYOKVMVCQHMY-WUCCLRPBSA-N
<b>Formula:</b>	C15H26O
<b>SMILES:</b>	C=C(C)C1CCC2(C)CCCC(C)(O)C2C1
<b>Mol. weight [g/mol]:</b>	222.37

## Physical Properties

Property code	Value	Unit	Source
gf	64.59	kJ/mol	Joback Method
hf	-278.76	kJ/mol	Joback Method
hfus	13.52	kJ/mol	Joback Method
hvap	62.67	kJ/mol	Joback Method
log10ws	-4.39		Crippen Method
logp	3.920		Crippen Method
mcvol	202.060	ml/mol	McGowan Method
pc	2193.84	kPa	Joback Method
rinpol	1620.00		NIST Webbook
rinpol	1620.00		NIST Webbook
ripol	2086.00		NIST Webbook
ripol	2086.00		NIST Webbook
tb	653.04	K	Joback Method
tc	865.92	K	Joback Method
tf	365.03	K	Joback Method
vc	0.752	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	593.33	J/molxK	653.04	Joback Method
cpg	613.82	J/molxK	688.52	Joback Method
cpg	633.38	J/molxK	724.00	Joback Method
cpg	652.21	J/molxK	759.48	Joback Method
cpg	670.53	J/molxK	794.96	Joback Method
cpg	688.57	J/molxK	830.44	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=R314122&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R314122&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.cheméo.com/doc/models/crippen_log10ws">https://www.cheméo.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>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>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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