

# Silphiperfol-5-en-3-ol D

<b>Inchi:</b>	InChI=1S/C15H24O/c1-9-5-6-15-11(3)10(2)8-14(15,4)13(16)7-12(9)15/h8-9,11-13,16H,5
<b>InchiKey:</b>	KACKPLUHPMMFBK-UXXQUHDHSA-N
<b>Formula:</b>	C15H24O
<b>SMILES:</b>	CC1=CC2(C)C(O)CC3C(C)CCC32C1C
<b>Mol. weight [g/mol]:</b>	220.35

## Physical Properties

Property code	Value	Unit	Source
gf	82.87	kJ/mol	Joback Method
hf	-283.31	kJ/mol	Joback Method
hfus	20.35	kJ/mol	Joback Method
hvap	63.47	kJ/mol	Joback Method
log10ws	-3.81		Crippen Method
logp	3.386		Crippen Method
mvol	191.200	ml/mol	McGowan Method
pc	2237.64	kPa	Joback Method
rinpol	1525.00		NIST Webbook
rinpol	1540.00		NIST Webbook
tb	654.15	K	Joback Method
tc	862.88	K	Joback Method
tf	414.77	K	Joback Method
vc	0.729	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	576.39	J/mol×K	654.15	Joback Method
cpg	595.29	J/mol×K	688.94	Joback Method
cpg	613.37	J/mol×K	723.73	Joback Method
cpg	630.87	J/mol×K	758.52	Joback Method
cpg	648.01	J/mol×K	793.31	Joback Method
cpg	665.02	J/mol×K	828.10	Joback Method
cpg	682.13	J/mol×K	862.88	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=R226847&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R226847&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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