

# Spiro[furan-3(2H),2'-[2H]inden]-2-one, decahydro-3'a,4'-dimethyl-4-methylene-, [2'R-(2'«alpha»-3'a«alpha»-4'«alpha»-7'a«alpha»)]-

<b>Inchi:</b>	InChI=1S/C15H22O2/c1-10-5-4-6-12-7-15(9-14(10,12)3)11(2)8-17-13(15)16/h10,12H,2,4
<b>InchiKey:</b>	OVXAYHNZXBOPV-UHFFFAOYSA-N
<b>Formula:</b>	C15H22O2
<b>SMILES:</b>	C=C1COC(=O)C12CC1CCCC(C)C1(C)C2
<b>Mol. weight [g/mol]:</b>	234.33
<b>CAS:</b>	19906-72-0

## Physical Properties

Property code	Value	Unit	Source
gf	34.95	kJ/mol	Joback Method
hf	-334.49	kJ/mol	Joback Method
hfus	15.42	kJ/mol	Joback Method
hvap	55.72	kJ/mol	Joback Method
log10ws	-3.54		Crippen Method
logp	3.322		Crippen Method
mcvol	192.770	ml/mol	McGowan Method
pc	2342.82	kPa	Joback Method
ripol	2549.00		NIST Webbook
ripol	2549.00		NIST Webbook
tb	669.64	K	Joback Method
tc	919.61	K	Joback Method
tf	450.58	K	Joback Method
vc	0.722	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	579.10	J/molxK	669.64	Joback Method
cpg	601.69	J/molxK	711.30	Joback Method

cpg	623.23	J/mol×K	752.96	Joback Method
cpg	644.06	J/mol×K	794.62	Joback Method
cpg	664.52	J/mol×K	836.28	Joback Method
cpg	684.93	J/mol×K	877.95	Joback Method
cpg	705.62	J/mol×K	919.61	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=C19906720&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C19906720&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>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>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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