

# Succinic acid, 3-methylbut-2-en-1-yl cis-hex-2-en-1-yl ester

Inchi:	InChI=1S/C15H24O4/c1-4-5-6-7-11-18-14(16)8-9-15(17)19-12-10-13(2)3/h6-7,10H,4-5,8
InchiKey:	ZWWMULLSMABNRB-SREVYHEPSA-N
Formula:	C15H24O4
SMILES:	CCCC=CCOC(=O)CCC(=O)OCC=C(C)C
Mol. weight [g/mol]:	268.35

## Physical Properties

Property code	Value	Unit	Source
gf	-240.53	kJ/mol	Joback Method
hf	-617.88	kJ/mol	Joback Method
hfus	39.27	kJ/mol	Joback Method
hvap	67.29	kJ/mol	Joback Method
log10ws	-3.53		Crippen Method
logp	3.175		Crippen Method
mcvol	228.490	ml/mol	McGowan Method
pc	1656.49	kPa	Joback Method
rinsol	1874.00		NIST Webbook
tb	703.38	K	Joback Method
tc	891.50	K	Joback Method
tf	379.01	K	Joback Method
vc	0.884	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	631.46	J/molxK	703.38	Joback Method
cpg	646.74	J/molxK	734.73	Joback Method
cpg	661.22	J/molxK	766.09	Joback Method
cpg	674.93	J/molxK	797.44	Joback Method
cpg	687.91	J/molxK	828.79	Joback Method
cpg	700.17	J/molxK	860.15	Joback Method
cpg	711.74	J/molxK	891.50	Joback Method

# Sources

<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307I">http://pubs.acs.org/doi/abs/10.1021/ci990307I</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=U391299&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U391299&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>mccvol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>rinpol:</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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