

# Succinic acid, cyclohexylmethyl geranyl ester

**Inchi:** InChI=1S/C21H34O4/c1-17(2)8-7-9-18(3)14-15-24-20(22)12-13-21(23)25-16-19-10-5-4-6  
**InchiKey:** PDGQJGJZIAJVRG-NBVRZTHBSA-N  
**Formula:** C21H34O4  
**SMILES:** CC(C)=CCCC(C)=CCOC(=O)CCC(=O)OCC1CCCCC1  
**Mol. weight [g/mol]:** 350.49

## Physical Properties

Property code	Value	Unit	Source
gf	-174.11	kJ/mol	Joback Method
hf	-697.19	kJ/mol	Joback Method
hfus	45.34	kJ/mol	Joback Method
hvap	81.16	kJ/mol	Joback Method
log10ws	-5.70		Crippen Method
logp	5.126		Crippen Method
mvol	302.170	ml/mol	McGowan Method
pc	1254.81	kPa	Joback Method
rmpol	2550.00		NIST Webbook
rmpol	2550.00		NIST Webbook
tb	860.09	K	Joback Method
tc	1067.62	K	Joback Method
tf	440.05	K	Joback Method
vc	1.155	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	974.18	J/mol×K	860.09	Joback Method
cpg	992.59	J/mol×K	894.68	Joback Method
cpg	1009.75	J/mol×K	929.27	Joback Method
cpg	1025.70	J/mol×K	963.86	Joback Method
cpg	1040.51	J/mol×K	998.44	Joback Method
cpg	1054.22	J/mol×K	1033.03	Joback Method
cpg	1066.90	J/mol×K	1067.62	Joback Method

# Sources

<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=U391215&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U391215&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.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</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>rlnpol:</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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