

# Succinic acid, 2-ethylhexyl geranyl ester

**Inchi:** InChI=1S/C22H38O4/c1-6-8-12-20(7-2)17-26-22(24)14-13-21(23)25-16-15-19(5)11-9-10  
**InchiKey:** JRYFMNHVDFYNJA-XDJHFCHBSA-N  
**Formula:** C22H38O4  
**SMILES:** CCCCC(CC)COC(=O)CCC(=O)OCC=C(C)CCC=C(C)C  
**Mol. weight [g/mol]:** 366.53

## Physical Properties

Property code	Value	Unit	Source
gf	-192.58	kJ/mol	Joback Method
hf	-777.43	kJ/mol	Joback Method
hfus	52.57	kJ/mol	Joback Method
hvap	82.57	kJ/mol	Joback Method
log10ws	-6.22		Crippen Method
logp	5.762		Crippen Method
mvol	327.120	ml/mol	McGowan Method
pc	1029.92	kPa	Joback Method
rinpol	2458.00		NIST Webbook
rinpol	2458.00		NIST Webbook
tb	862.98	K	Joback Method
tc	1059.49	K	Joback Method
tf	428.94	K	Joback Method
vc	1.272	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	1039.11	J/mol×K	862.98	Joback Method
cpg	1057.26	J/mol×K	895.73	Joback Method
cpg	1074.35	J/mol×K	928.48	Joback Method
cpg	1090.43	J/mol×K	961.24	Joback Method
cpg	1105.53	J/mol×K	993.99	Joback Method
cpg	1119.71	J/mol×K	1026.74	Joback Method
cpg	1133.01	J/mol×K	1059.49	Joback Method

# Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=U391214&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U391214&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>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</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>hvp:</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>rinp:</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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