

# Succinic acid, 2-chloro-6-fluorophenyl geranyl ester

<b>Inchi:</b>	InChI=1S/C20H24ClFO4/c1-14(2)6-4-7-15(3)12-13-25-18(23)10-11-19(24)26-20-16(21)8
<b>InchiKey:</b>	WHADLGWNLNRTHN-NTCAYCPXSA-N
<b>Formula:</b>	C20H24ClFO4
<b>SMILES:</b>	CC(C)=CCCC(C)=CCOC(=O)CCC(=O)Oc1c(F)cccc1Cl
<b>Mol. weight [g/mol]:</b>	382.85

## Physical Properties

Property code	Value	Unit	Source
gf	-320.57	kJ/mol	Joback Method
hf	-729.13	kJ/mol	Joback Method
hfus	51.45	kJ/mol	Joback Method
hvap	85.67	kJ/mol	Joback Method
log10ws	-6.39		Crippen Method
logp	5.401		Crippen Method
mcvol	289.190	ml/mol	McGowan Method
pc	1358.63	kPa	Joback Method
rinpol	2592.00		NIST Webbook
rinpol	2592.00		NIST Webbook
tb	891.00	K	Joback Method
tc	1103.76	K	Joback Method
tf	503.37	K	Joback Method
vc	1.125	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	855.57	J/mol×K	891.00	Joback Method
cpg	869.47	J/mol×K	926.46	Joback Method
cpg	882.38	J/mol×K	961.92	Joback Method
cpg	894.36	J/mol×K	997.38	Joback Method
cpg	905.47	J/mol×K	1032.84	Joback Method
cpg	915.75	J/mol×K	1068.30	Joback Method
cpg	925.26	J/mol×K	1103.76	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=U391216&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U391216&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.cheméo.com/doc/models/crippen_log10ws">https://www.cheméo.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>h vap:</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>r in pol:</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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