

# Succinic acid, 2-fluorophenyl hex-5-en-1-yl ester

Inchi:	InChI=1S/C16H19FO4/c1-2-3-4-7-12-20-15(18)10-11-16(19)21-14-9-6-5-8-13(14)17/h2,5
InchiKey:	XDQGNFVRLPKDZ-UHFFFAOYSA-N
Formula:	C16H19FO4
SMILES:	C=CCCCCOC(=O)CCC(=O)Oc1ccccc1F
Mol. weight [g/mol]:	294.32

## Physical Properties

Property code	Value	Unit	Source
gf	-388.19	kJ/mol	Joback Method
hf	-708.79	kJ/mol	Joback Method
hfus	38.22	kJ/mol	Joback Method
hvap	70.97	kJ/mol	Joback Method
log10ws	-4.18		Crippen Method
logp	3.411		Crippen Method
mvol	224.890	ml/mol	McGowan Method
pc	1812.32	kPa	Joback Method
rmpol	2069.00		NIST Webbook
rmpol	2069.00		NIST Webbook
tb	745.67	K	Joback Method
tc	943.52	K	Joback Method
tf	452.17	K	Joback Method
vc	0.871	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	631.21	J/molxK	745.67	Joback Method
cpg	645.23	J/molxK	778.65	Joback Method
cpg	658.36	J/molxK	811.62	Joback Method
cpg	670.60	J/molxK	844.60	Joback Method
cpg	681.96	J/molxK	877.57	Joback Method
cpg	692.47	J/molxK	910.55	Joback Method
cpg	702.15	J/molxK	943.52	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=U391283&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U391283&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>
<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>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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