

# Ziza-6(13)-en-12-yl formate

<b>Inchi:</b>	InChI=1S/C16H24O2/c1-11-14-5-4-13(9-18-10-17)16(14)7-6-12(8-16)15(11,2)3/h10,12-1
<b>InchiKey:</b>	RGCGFGUXPRDVNM-KNKJBKQJSA-N
<b>Formula:</b>	C16H24O2
<b>SMILES:</b>	C=C1C2CCC(COC=O)C23CCC(C3)C1(C)C
<b>Mol. weight [g/mol]:</b>	248.36

## Physical Properties

Property code	Value	Unit	Source
gf	64.05	kJ/mol	Joback Method
hf	-311.25	kJ/mol	Joback Method
hfus	19.26	kJ/mol	Joback Method
hvap	57.66	kJ/mol	Joback Method
log10ws	-3.71		Crippen Method
logp	3.568		Crippen Method
mcvol	206.860	ml/mol	McGowan Method
pc	2040.07	kPa	Joback Method
rinsol	1762.00		NIST Webbook
tb	655.62	K	Joback Method
tc	875.15	K	Joback Method
tf	434.09	K	Joback Method
vc	0.799	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	612.21	J/mol×K	655.62	Joback Method
cpg	632.69	J/mol×K	692.21	Joback Method
cpg	652.23	J/mol×K	728.80	Joback Method
cpg	671.09	J/mol×K	765.38	Joback Method
cpg	689.52	J/mol×K	801.97	Joback Method
cpg	707.79	J/mol×K	838.56	Joback Method
cpg	726.14	J/mol×K	875.15	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=R199389&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R199389&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>rinpola:</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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