

# Menth-1-en-9-yl tiglate, p-

<b>Other names:</b>	«alpha»-Terpinyl tiglate
<b>Inchi:</b>	InChI=1S/C15H24O2/c1-6-12(3)14(16)17-15(4,5)13-9-7-11(2)8-10-13/h6-7,13H,8-10H2,1
<b>InchiKey:</b>	XMZRVZZNEWGJSP-WUXMJOGZSA-N
<b>Formula:</b>	C15H24O2
<b>SMILES:</b>	CC=C(C)C(=O)OC(C)(C)C1CC=C(C)CC1
<b>Mol. weight [g/mol]:</b>	236.35

## Physical Properties

Property code	Value	Unit	Source
gf	-39.21	kJ/mol	Joback Method
hf	-398.42	kJ/mol	Joback Method
hfus	21.54	kJ/mol	Joback Method
hvap	58.27	kJ/mol	Joback Method
log10ws	-4.44		Crippen Method
logp	4.021		Crippen Method
mvol	210.190	ml/mol	McGowan Method
pc	1874.03	kPa	Joback Method
rinpol	1588.00		NIST Webbook
rinpol	1588.00		NIST Webbook
tb	643.39	K	Joback Method
tc	859.48	K	Joback Method
tf	335.01	K	Joback Method
vc	0.788	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	574.23	J/mol×K	643.39	Joback Method
cpg	594.08	J/mol×K	679.40	Joback Method
cpg	612.66	J/mol×K	715.42	Joback Method
cpg	630.04	J/mol×K	751.43	Joback Method
cpg	646.28	J/mol×K	787.45	Joback Method
cpg	661.44	J/mol×K	823.46	Joback Method
cpg	675.57	J/mol×K	859.48	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=U383625&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U383625&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>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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