

# Epoxypseudoisoeugenyl tiglate

<b>Inchi:</b>	InChI=1S/C15H18O4/c1-5-9(2)15(16)19-12-7-6-11(8-13(12)17-4)14-10(3)18-14/h5-8,10,
<b>InchiKey:</b>	NOOWSEWAIODGJY-WEVVVXLNSA-N
<b>Formula:</b>	C15H18O4
<b>SMILES:</b>	CC=C(C)C(=O)Oc1ccc(C2OC2C)cc1OC
<b>Mol. weight [g/mol]:</b>	262.30

## Physical Properties

Property code	Value	Unit	Source
gf	-131.76	kJ/mol	Joback Method
hf	-488.47	kJ/mol	Joback Method
hfus	37.92	kJ/mol	Joback Method
hvap	68.30	kJ/mol	Joback Method
log10ws	-3.79		Crippen Method
logp	3.027		Crippen Method
mcvol	202.470	ml/mol	McGowan Method
pc	2098.42	kPa	Joback Method
rinpol	1848.00		NIST Webbook
rinpol	1873.00		NIST Webbook
rinpol	1873.00		NIST Webbook
tb	711.01	K	Joback Method
tc	929.75	K	Joback Method
tf	425.89	K	Joback Method
vc	0.767	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	569.64	J/molxK	711.01	Joback Method
cpg	585.49	J/molxK	747.47	Joback Method
cpg	600.34	J/molxK	783.92	Joback Method
cpg	614.20	J/molxK	820.38	Joback Method
cpg	627.14	J/molxK	856.84	Joback Method
cpg	639.18	J/molxK	893.29	Joback Method
cpg	650.37	J/molxK	929.75	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=R240056&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R240056&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>rinpolar:</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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