

# Ossidentalol

<b>Inchi:</b>	InChI=1S/C15H24O/c1-11-6-5-8-15(4)9-7-12(10-13(11)15)14(2,3)16/h5-6,8,12-13,16H,7
<b>InchiKey:</b>	AMZWKSYAMHGGSR-IPYPFGDCSA-N
<b>Formula:</b>	C15H24O
<b>SMILES:</b>	CC1=CC=CC2(C)CCC(C(C)(C)O)CC12
<b>Mol. weight [g/mol]:</b>	220.35

## Physical Properties

Property code	Value	Unit	Source
gf	51.63	kJ/mol	Joback Method
hf	-293.96	kJ/mol	Joback Method
hfus	15.98	kJ/mol	Joback Method
hvap	64.67	kJ/mol	Joback Method
log10ws	-4.25		Crippen Method
logp	3.696		Crippen Method
mcvol	197.760	ml/mol	McGowan Method
pc	2229.20	kPa	Joback Method
rinqol	1538.00		NIST Webbook
tb	660.98	K	Joback Method
tc	875.00	K	Joback Method
tf	377.55	K	Joback Method
vc	0.735	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	575.18	J/mol×K	660.98	Joback Method
cpg	594.14	J/mol×K	696.65	Joback Method
cpg	612.03	J/mol×K	732.32	Joback Method
cpg	629.01	J/mol×K	767.99	Joback Method
cpg	645.25	J/mol×K	803.66	Joback Method
cpg	660.89	J/mol×K	839.33	Joback Method
cpg	676.10	J/mol×K	875.00	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=R325127&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R325127&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307I">http://pubs.acs.org/doi/abs/10.1021/ci990307I</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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