

# (E)-«gamma»-Curcumen-12-ol

<b>Inchi:</b>	InChI=1S/C15H24O/c1-12-7-9-15(10-8-12)14(3)6-4-5-13(2)11-16/h5,7,9,14,16H,4,6,8,10
<b>InchiKey:</b>	YQJDEISISMJAB-WLRTZDKTSA-N
<b>Formula:</b>	C15H24O
<b>SMILES:</b>	CC(=CCCC(C)C1=CC=C(C)CC1)CO
<b>Mol. weight [g/mol]:</b>	220.35

## Physical Properties

Property code	Value	Unit	Source
gf	80.65	kJ/mol	Joback Method
hf	-235.73	kJ/mol	Joback Method
hfus	26.49	kJ/mol	Joback Method
hvap	67.96	kJ/mol	Joback Method
log10ws	-4.58		Crippen Method
logp	4.008		Crippen Method
mvol	204.320	ml/mol	McGowan Method
pc	2027.23	kPa	Joback Method
rinpol	1733.00		NIST Webbook
rinpol	1739.00		NIST Webbook
tb	670.88	K	Joback Method
tc	865.17	K	Joback Method
tf	323.77	K	Joback Method
vc	0.775	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	562.11	J/mol×K	670.88	Joback Method
cpg	578.29	J/mol×K	703.26	Joback Method
cpg	593.59	J/mol×K	735.64	Joback Method
cpg	608.05	J/mol×K	768.02	Joback Method
cpg	621.72	J/mol×K	800.40	Joback Method
cpg	634.65	J/mol×K	832.79	Joback Method
cpg	646.88	J/mol×K	865.17	Joback Method

# Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=R232827&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R232827&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.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>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</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>hvpap:</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>rinppl:</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

Latest version available from:

<https://www.chemeo.com/cid/31-862-0/E-gamma-Curcumen-12-ol.pdf>

Generated by Cheméo on 2024-04-25 16:58:38.968363843 +0000 UTC m=+16353567.888941173.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.