

# 10-epi-«gamma»-Eudesmol

<b>Other names:</b>	epi-10- «gamma»-Eudesmol Eudesmol (10-epi- «gamma») «gamma»-Eudesmol, 10-epi-
<b>Inchi:</b>	InChI=1S/C15H26O/c1-11-6-5-8-15(4)9-7-12(10-13(11)15)14(2,3)16/h12,16H,5-10H2,1-
<b>InchiKey:</b>	WMOPMQRJLLIEJV-UHFFFAOYSA-N
<b>Formula:</b>	C15H26O
<b>SMILES:</b>	CC1=C2CC(C(C)(C)O)CCC2(C)CCC1
<b>Mol. weight [g/mol]:</b>	222.37
<b>CAS:</b>	15051-81-7

## Physical Properties

Property code	Value	Unit	Source
gf	19.75	kJ/mol	Joback Method
hf	-342.87	kJ/mol	Joback Method
hfus	13.30	kJ/mol	Joback Method
hvap	65.35	kJ/mol	Joback Method
log10ws	-4.64		Crippen Method
logp	4.064		Crippen Method
mcvol	202.060	ml/mol	McGowan Method
pc	2191.78	kPa	Joback Method
rinpol	1618.00		NIST Webbook
rinpol	1618.00		NIST Webbook
rinpol	1617.00		NIST Webbook
rinpol	1617.00		NIST Webbook
rinpol	1617.00		NIST Webbook
rinpol	1596.00		NIST Webbook
rinpol	1617.00		NIST Webbook
rinpol	1617.00		NIST Webbook
rinpol	1619.00		NIST Webbook
rinpol	1612.00		NIST Webbook
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ripol	2091.00	NIST Webbook
ripol	2119.00	NIST Webbook
ripol	2094.00	NIST Webbook
ripol	2074.00	NIST Webbook

ripol	2094.00		NIST Webbook
ripol	2098.00		NIST Webbook
ripol	2093.00		NIST Webbook
ripol	2110.00		NIST Webbook
ripol	2121.00		NIST Webbook
ripol	2110.00		NIST Webbook
ripol	2121.00		NIST Webbook
ripol	2112.00		NIST Webbook
ripol	2084.00		NIST Webbook
tb	671.47	K	Joback Method
tc	884.60	K	Joback Method
tf	393.55	K	Joback Method
vc	0.750	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	596.14	J/molxK	671.47	Joback Method
cpg	615.41	J/molxK	706.99	Joback Method
cpg	633.66	J/molxK	742.51	Joback Method
cpg	651.05	J/molxK	778.04	Joback Method
cpg	667.73	J/molxK	813.56	Joback Method
cpg	683.86	J/molxK	849.08	Joback Method
cpg	699.60	J/molxK	884.60	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=C15051817&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C15051817&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

**cpg:** 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>ripolar:</b>	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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