

# 4«alpha»-Methoxy-1,1,2«alpha»,5-tetramethyldeca

<b>Inchi:</b>	InChI=1S/C16H28O/c1-10-6-7-13-14-12(11(2)15(13,3)4)8-9-16(10,14)17-5/h10-14H,6-9H
<b>InchiKey:</b>	BVPRXVDZWQTZNK-FPRRYFPDSA-N
<b>Formula:</b>	C16H28O
<b>SMILES:</b>	<chem>COC12CCC3C(C)C(C)(C)C(CCC1C)C32</chem>
<b>Mol. weight [g/mol]:</b>	236.39

## Physical Properties

Property code	Value	Unit	Source
gf	95.07	kJ/mol	Joback Method
hf	-350.59	kJ/mol	Joback Method
hfus	20.28	kJ/mol	Joback Method
hvap	50.17	kJ/mol	Joback Method
log10ws	-3.95		Crippen Method
logp	4.120		Crippen Method
mvol	209.590	ml/mol	McGowan Method
pc	1775.84	kPa	Joback Method
ripol	2123.00		NIST Webbook
ripol	2123.00		NIST Webbook
tb	598.46	K	Joback Method
tc	814.09	K	Joback Method
tf	369.93	K	Joback Method
vc	0.796	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	608.51	J/mol×K	598.46	Joback Method
cpg	633.28	J/mol×K	634.40	Joback Method
cpg	656.67	J/mol×K	670.34	Joback Method
cpg	678.91	J/mol×K	706.28	Joback Method
cpg	700.22	J/mol×K	742.22	Joback Method
cpg	720.86	J/mol×K	778.15	Joback Method
cpg	741.05	J/mol×K	814.09	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=R576637&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R576637&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>h vap:</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>ri pol:</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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