

# ar-Tenuifolene

<b>Inchi:</b>	InChI=1S/C15H20/c1-12-6-8-14(9-7-12)15(3)10-4-5-13(2)11-15/h5-9H,4,10-11H2,1-3H3
<b>InchiKey:</b>	CBJIDTHIVFGKJN-UHFFFAOYSA-N
<b>Formula:</b>	C15H20
<b>SMILES:</b>	CC1=CCCC(C)(c2ccc(C)cc2)C1
<b>Mol. weight [g/mol]:</b>	200.32

## Physical Properties

Property code	Value	Unit	Source
gf	217.49	kJ/mol	Joback Method
hf	-12.00	kJ/mol	Joback Method
hfus	14.63	kJ/mol	Joback Method
hvap	52.15	kJ/mol	Joback Method
log10ws	-4.68		Crippen Method
logp	4.383		Crippen Method
mcvol	183.290	ml/mol	McGowan Method
pc	2331.52	kPa	Joback Method
rinpol	1528.00		NIST Webbook
rinpol	1539.00		NIST Webbook
rinpol	1531.00		NIST Webbook
tb	598.19	K	Joback Method
tc	838.91	K	Joback Method
tf	342.31	K	Joback Method
vc	0.684	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	462.31	J/molxK	598.19	Joback Method
cpg	482.98	J/molxK	638.31	Joback Method
cpg	502.31	J/molxK	678.43	Joback Method
cpg	520.46	J/molxK	718.55	Joback Method
cpg	537.61	J/molxK	758.67	Joback Method
cpg	553.95	J/molxK	798.79	Joback Method
cpg	569.63	J/molxK	838.91	Joback Method

# Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=R407224&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R407224&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.cheméo.com/doc/models/crippen_log10ws">https://www.cheméo.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>hvp:</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>rinp:</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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