

# cis-«alpha»-Bergamotene

**Other names:**

«alpha»-cis-Bergamotene  
(Z)-«alpha»-Bergamotene  
cis-«alpha»-beramotene  
«alpha»-Bergamotene cis  
bergamotene (Z, «alpha», cis)  
«beta»-cis-Bergamotene

**Inchi:**

InChI=1S/C15H24/c1-11(2)6-5-9-15(4)13-8-7-12(3)14(15)10-13/h6-7,13-14H,5,8-10H2,1

**InchiKey:**

YMBFCQPIMVLNIU-UHFFFAOYSA-N

**Formula:**

C15H24

**SMILES:**

CC(C)=CCCC1(C)C2CC=C(C)C1C2

**Mol. weight [g/mol]:**

204.35

**CAS:**

18252-46-5

## Physical Properties

Property code	Value	Unit	Source
gf	263.62	kJ/mol	Joback Method
hf	-64.85	kJ/mol	Joback Method
hfus	23.27	kJ/mol	Joback Method
hvap	48.51	kJ/mol	Joback Method
log10ws	-4.87		Crippen Method
logp	4.725		Crippen Method
mcvol	191.890	ml/mol	McGowan Method
pc	1918.62	kPa	Joback Method
rinpol	1409.00		NIST Webbook
rinpol	1414.00		NIST Webbook
rinpol	1418.00		NIST Webbook
rinpol	1415.00		NIST Webbook
rinpol	1415.00		NIST Webbook
rinpol	1415.00		NIST Webbook
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rinpol	1395.00		NIST Webbook
rinpol	1414.00		NIST Webbook
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ripol	1545.00		NIST Webbook
ripol	1586.00		NIST Webbook
ripol	1577.00		NIST Webbook
ripol	1557.00		NIST Webbook
ripol	1573.00		NIST Webbook
tb	564.10	K	Joback Method
tc	771.48	K	Joback Method
tf	305.07	K	Joback Method
vc	0.746	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	496.98	J/mol×K	564.10	Joback Method
cpg	517.47	J/mol×K	598.66	Joback Method
cpg	536.69	J/mol×K	633.23	Joback Method
cpg	554.80	J/mol×K	667.79	Joback Method
cpg	571.95	J/mol×K	702.35	Joback Method
cpg	588.31	J/mol×K	736.92	Joback Method
cpg	604.03	J/mol×K	771.48	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=C18252465&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C18252465&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

<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>hvac:</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>mccvol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>ripol:</b>	Non-polar retention indices
<b>ripol:</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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