

# Rimua-5(10),15-diene

<b>Inchi:</b>	InChI=1S/C20H32/c1-6-19(4)12-13-20(5)15(14-19)9-10-16-17(20)8-7-11-18(16,2)3/h6,15
<b>InchiKey:</b>	XLQFULDKFPTYLT-YUZWYKEKSA-N
<b>Formula:</b>	C20H32
<b>SMILES:</b>	C=CC1(C)CCC2(C)C3=C(CCC2C1)C(C)(C)CCC3
<b>Mol. weight [g/mol]:</b>	272.47

## Physical Properties

Property code	Value	Unit	Source
gf	313.63	kJ/mol	Joback Method
hf	-82.88	kJ/mol	Joback Method
hfus	12.80	kJ/mol	Joback Method
hvap	57.90	kJ/mol	Joback Method
log10ws	-6.62		Crippen Method
logp	6.286		Crippen Method
mcvol	251.480	ml/mol	McGowan Method
pc	1635.13	kPa	Joback Method
rinpol	1864.00		NIST Webbook
rinpol	1885.00		NIST Webbook
ripol	2143.00		NIST Webbook
ripol	2114.00		NIST Webbook
tb	700.42	K	Joback Method
tc	940.52	K	Joback Method
tf	442.88	K	Joback Method
vc	0.947	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	761.41	J/molxK	700.42	Joback Method
cpg	787.70	J/molxK	740.44	Joback Method
cpg	813.29	J/molxK	780.45	Joback Method
cpg	838.65	J/molxK	820.47	Joback Method
cpg	864.25	J/molxK	860.49	Joback Method
cpg	890.55	J/molxK	900.51	Joback Method

## Sources

<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>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=R27356&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R27356&amp;Units=SI</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>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>rinpol:</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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