

# Isopimara-7,15-dien-2«alpha»-ol

<b>Inchi:</b>	InChI=1S/C20H32O/c1-6-19(4)10-9-16-14(11-19)7-8-17-18(2,3)12-15(21)13-20(16,17)5/
<b>InchiKey:</b>	MLOPHDHVDNQKHF-JCRDWDRISA-N
<b>Formula:</b>	C20H32O
<b>SMILES:</b>	<chem>C=CC1(C)CCC2C(=CCC3C(C)(C)CC(O)CC23C)C1</chem>
<b>Mol. weight [g/mol]:</b>	288.47

## Physical Properties

Property code	Value	Unit	Source
gf	171.02	kJ/mol	Joback Method
hf	-264.32	kJ/mol	Joback Method
hfus	19.42	kJ/mol	Joback Method
hvap	73.30	kJ/mol	Joback Method
log10ws	-5.75		Crippen Method
logp	5.112		Crippen Method
mcvol	257.350	ml/mol	McGowan Method
pc	1690.72	kPa	Joback Method
rinpol	2284.00		NIST Webbook
tb	778.28	K	Joback Method
tc	999.91	K	Joback Method
tf	482.70	K	Joback Method
vc	0.964	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	844.16	J/mol×K	778.28	Joback Method
cpg	868.33	J/mol×K	815.22	Joback Method
cpg	892.53	J/mol×K	852.16	Joback Method
cpg	917.14	J/mol×K	889.09	Joback Method
cpg	942.51	J/mol×K	926.03	Joback Method
cpg	969.00	J/mol×K	962.97	Joback Method
cpg	996.97	J/mol×K	999.91	Joback Method

# Sources

<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=R432309&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R432309&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307I">http://pubs.acs.org/doi/abs/10.1021/ci990307I</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>

# 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>rinpola:</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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