

# (Z,Z)-6,9-eicosadien-11-ol

<b>Inchi:</b>	InChI=1S/C20H38O/c1-3-5-7-9-11-13-15-17-19-20(21)18-16-14-12-10-8-6-4-2/h11,13,17
<b>InchiKey:</b>	HLRILOHBDLRFQX-OHNCOSGTSA-N
<b>Formula:</b>	C20H38O
<b>SMILES:</b>	CCCCC=CCC=CC(O)CCCCCCCC
<b>Mol. weight [g/mol]:</b>	294.52

## Physical Properties

Property code	Value	Unit	Source
gf	138.70	kJ/mol	Joback Method
hf	-379.20	kJ/mol	Joback Method
hfus	48.52	kJ/mol	Joback Method
hvap	76.32	kJ/mol	Joback Method
log10ws	-7.28		Crippen Method
logp	6.571		Crippen Method
mvol	289.930	ml/mol	McGowan Method
pc	1161.66	kPa	Joback Method
rinpol	2240.00		NIST Webbook
rinpol	2240.00		NIST Webbook
tb	757.06	K	Joback Method
tc	931.90	K	Joback Method
tf	350.82	K	Joback Method
vc	1.129	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	880.09	J/molxK	757.06	Joback Method
cpg	962.98	J/molxK	902.76	Joback Method
cpg	947.85	J/molxK	873.62	Joback Method
cpg	932.05	J/molxK	844.48	Joback Method
cpg	915.52	J/molxK	815.34	Joback Method
cpg	898.22	J/molxK	786.20	Joback Method
cpg	977.48	J/molxK	931.90	Joback Method
dvisc	0.0000134	Paxs	757.06	Joback Method

dvisc	0.0000222	Paxs	689.35	Joback Method
dvisc	0.0000411	Paxs	621.65	Joback Method
dvisc	0.0000885	Paxs	553.94	Joback Method
dvisc	0.0002360	Paxs	486.23	Joback Method
dvisc	0.0008650	Paxs	418.53	Joback Method
dvisc	0.0052330	Paxs	350.82	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=R402729&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R402729&amp;Units=SI</a>

## Legend

<b>cpg:</b>	Ideal gas heat capacity
<b>dvisc:</b>	Dynamic viscosity
<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>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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