

# 1,8,11-Heptadecatriene

<b>Inchi:</b>	InChI=1S/C17H30/c1-3-5-7-9-11-13-15-17-16-14-12-10-8-6-4-2/h3,12,14-15,17H,1,4-11,
<b>InchiKey:</b>	XFZBIINLEPBMDY-FAHPUHHFSA-N
<b>Formula:</b>	C17H30
<b>SMILES:</b>	C=CCCCCCC=CCC=CCCCC
<b>Mol. weight [g/mol]:</b>	234.42

## Physical Properties

Property code	Value	Unit	Source
gf	340.54	kJ/mol	Joback Method
hf	-34.34	kJ/mol	Joback Method
hfus	38.91	kJ/mol	Joback Method
hvap	52.68	kJ/mol	Joback Method
log10ws	-6.50		Crippen Method
logp	6.206		Crippen Method
mcvol	237.490	ml/mol	McGowan Method
pc	1367.69	kPa	Joback Method
ripol	1801.00		NIST Webbook
tb	593.36	K	Joback Method
tc	765.28	K	Joback Method
tf	269.43	K	Joback Method
vc	0.928	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	607.56	J/molxK	593.36	Joback Method
cpg	626.14	J/molxK	622.01	Joback Method
cpg	643.85	J/molxK	650.67	Joback Method
cpg	660.74	J/molxK	679.32	Joback Method
cpg	676.86	J/molxK	707.97	Joback Method
cpg	692.24	J/molxK	736.62	Joback Method
cpg	706.93	J/molxK	765.28	Joback Method
dvisc	0.0039750	Paxs	269.43	Joback Method
dvisc	0.0013044	Paxs	323.42	Joback Method

dvisc	0.0005888	Paxs	377.41	Joback Method
dvisc	0.0003243	Paxs	431.39	Joback Method
dvisc	0.0002040	Paxs	485.38	Joback Method
dvisc	0.0001408	Paxs	539.37	Joback Method
dvisc	0.0001039	Paxs	593.36	Joback Method

## Sources

<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=R76309&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R76309&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>

## 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>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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