

# 2-hexacosene (Z)

<b>Inchi:</b>	InChI=1S/C26H52/c1-3-5-7-9-11-13-15-17-19-21-23-25-26-24-22-20-18-16-14-12-10-8-6
<b>InchiKey:</b>	QLCXXEKXAWWNQL-HYXAFXHYSA-N
<b>Formula:</b>	C26H52
<b>SMILES:</b>	CC=CCCCCCCCCCCCCCCCCCCCCCC
<b>Mol. weight [g/mol]:</b>	364.69

## Physical Properties

Property code	Value	Unit	Source
gf	248.26	kJ/mol	Joback Method
hf	-462.75	kJ/mol	Joback Method
hfus	63.30	kJ/mol	Joback Method
hvap	73.43	kJ/mol	Joback Method
log10ws	-10.56		Crippen Method
logp	10.165		Crippen Method
mcvol	372.900	ml/mol	McGowan Method
pc	745.70	kPa	Joback Method
rinqol	2629.00		NIST Webbook
tb	798.44	K	Joback Method
tc	977.71	K	Joback Method
tf	377.70	K	Joback Method
vc	1.472	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	1192.23	J/molxK	798.44	Joback Method
cpg	1298.52	J/molxK	947.83	Joback Method
cpg	1279.24	J/molxK	917.95	Joback Method
cpg	1259.02	J/molxK	888.07	Joback Method
cpg	1237.82	J/molxK	858.20	Joback Method
cpg	1215.57	J/molxK	828.32	Joback Method
cpg	1316.92	J/molxK	977.71	Joback Method
dvisc	0.0000380	Paxs	798.44	Joback Method
dvisc	0.0000529	Paxs	728.32	Joback Method

dvisc	0.0000789	Paxs	658.19	Joback Method
dvisc	0.0001294	Paxs	588.07	Joback Method
dvisc	0.0002429	Paxs	517.95	Joback Method
dvisc	0.0005553	Paxs	447.82	Joback Method
dvisc	0.0017257	Paxs	377.70	Joback Method

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=R205766&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R205766&amp;Units=SI</a>
<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>

## 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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