

# 2-Tetracosene (Z)

Inchi:	InChI=1S/C24H48/c1-3-5-7-9-11-13-15-17-19-21-23-24-22-20-18-16-14-12-10-8-6-4-2/h
InchiKey:	OEPVTYSXFQUENG-HYXAFXHYSA-N
Formula:	C24H48
SMILES:	CC=CCCCCCCCCCCCCCCCCCCCC
Mol. weight [g/mol]:	336.64

## Physical Properties

Property code	Value	Unit	Source
gf	231.42	kJ/mol	Joback Method
hf	-421.47	kJ/mol	Joback Method
hfus	58.12	kJ/mol	Joback Method
hvap	68.98	kJ/mol	Joback Method
log10ws	-9.72		Crippen Method
logp	9.384		Crippen Method
mvol	344.720	ml/mol	McGowan Method
pc	830.50	kPa	Joback Method
rinpol	2424.00		NIST Webbook
tb	752.68	K	Joback Method
tc	924.38	K	Joback Method
tf	355.16	K	Joback Method
vc	1.359	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	1064.51	J/molxK	752.68	Joback Method
cpg	1086.75	J/molxK	781.30	Joback Method
cpg	1107.98	J/molxK	809.91	Joback Method
cpg	1128.26	J/molxK	838.53	Joback Method
cpg	1147.63	J/molxK	867.15	Joback Method
cpg	1166.13	J/molxK	895.76	Joback Method
cpg	1183.81	J/molxK	924.38	Joback Method
dvisc	0.0022097	Paxs	355.16	Joback Method
dvisc	0.0007158	Paxs	421.41	Joback Method

dvisc	0.0003149	Paxs	487.67	Joback Method
dvisc	0.0001686	Paxs	553.92	Joback Method
dvisc	0.0001032	Paxs	620.17	Joback Method
dvisc	0.0000694	Paxs	686.43	Joback Method
dvisc	0.0000501	Paxs	752.68	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=R205924&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R205924&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>

## 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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