

# 2,6,10,14-Tetramethyl-7-(3-methyl-pent-4-enylidene)

<b>Inchi:</b>	InChI=1S/C25H44/c1-9-22(6)16-18-25(24(8)15-11-13-21(4)5)19-17-23(7)14-10-12-20(2)
<b>InchiKey:</b>	NHPFPNICJDPNPL-MXFBBLCESA-N
<b>Formula:</b>	C25H44
<b>SMILES:</b>	C=CC(C)CC=C(CC=C(C)CCCC(C)C)C(C)CCC=C(C)C
<b>Mol. weight [g/mol]:</b>	344.62

## Physical Properties

Property code	Value	Unit	Source
gf	455.15	kJ/mol	Joback Method
hf	-127.45	kJ/mol	Joback Method
hfus	45.33	kJ/mol	Joback Method
hvap	69.52	kJ/mol	Joback Method
log10ws	-8.98		Crippen Method
logp	8.670		Crippen Method
mcvol	345.910	ml/mol	McGowan Method
pc	874.80	kPa	Joback Method
rinpol	2078.00		NIST Webbook
rinpol	2078.00		NIST Webbook
rinpol	2087.00		NIST Webbook
tb	778.88	K	Joback Method
tc	966.44	K	Joback Method
tf	267.63	K	Joback Method
vc	1.341	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	1053.63	J/molxK	778.88	Joback Method
cpg	1075.61	J/molxK	810.14	Joback Method
cpg	1096.54	J/molxK	841.40	Joback Method
cpg	1116.50	J/molxK	872.66	Joback Method
cpg	1135.60	J/molxK	903.92	Joback Method
cpg	1153.89	J/molxK	935.18	Joback Method
cpg	1171.47	J/molxK	966.44	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=R274485&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R274485&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>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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