

# 2,2,6-Trimethyl-6-(4-methylcyclohex-3-en-1-yl)dihy

<b>Inchi:</b>	InChI=1S/C15H24O2/c1-11-5-7-12(8-6-11)15(4)10-13(16)9-14(2,3)17-15/h5,12H,6-10H2
<b>InchiKey:</b>	FBZSMLWLLPEEKP-UHFFFAOYSA-N
<b>Formula:</b>	C15H24O2
<b>SMILES:</b>	CC1=CCC(C2(C)CC(=O)CC(C)(C)O2)CC1
<b>Mol. weight [g/mol]:</b>	236.35
<b>CAS:</b>	41943-81-1

## Physical Properties

Property code	Value	Unit	Source
gf	-82.75	kJ/mol	Joback Method
hf	-457.54	kJ/mol	Joback Method
hfus	15.07	kJ/mol	Joback Method
hvap	56.94	kJ/mol	Joback Method
log10ws	-4.09		Crippen Method
logp	3.650		Crippen Method
mvol	203.630	ml/mol	McGowan Method
pc	2175.46	kPa	Joback Method
rinpol	1707.60		NIST Webbook
rinpol	1707.60		NIST Webbook
tb	676.42	K	Joback Method
tc	926.73	K	Joback Method
tf	425.20	K	Joback Method
vc	0.750	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	599.76	J/molxK	676.42	Joback Method
cpg	623.47	J/molxK	718.14	Joback Method
cpg	646.11	J/molxK	759.86	Joback Method
cpg	667.94	J/molxK	801.58	Joback Method
cpg	689.24	J/molxK	843.29	Joback Method
cpg	710.26	J/molxK	885.01	Joback Method
cpg	731.27	J/molxK	926.73	Joback Method

# Sources

<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=C41943811&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C41943811&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>
<b>Crippen Method:</b>	<a href="https://www.cheméo.com/doc/models/crippen_log10ws">https://www.cheméo.com/doc/models/crippen_log10ws</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>h vap:</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>r in pol:</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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