

# C30-25-Norhopane, 17aH, 21bH

**Inchi:** InChI=1S/C29H50/c1-19(2)20-12-16-27(5)23(20)14-18-29(7)25(27)11-10-24-21-9-8-15-2  
**InchiKey:** RWVUXMLWBVFMJM-BFDBOCHHSA-N  
**Formula:** C29H50  
**SMILES:** CC(C)C1CCC2(C)C1CCC1(C)C2CCC2C3CCCC(C)(C)C3CCC21C  
**Mol. weight [g/mol]:** 398.71

## Physical Properties

Property code	Value	Unit	Source
gf	361.50	kJ/mol	Joback Method
hf	-360.87	kJ/mol	Joback Method
hfus	25.58	kJ/mol	Joback Method
hvap	74.21	kJ/mol	Joback Method
log10ws	-8.78		Crippen Method
logp	8.744		Crippen Method
mcvol	365.170	ml/mol	McGowan Method
pc	989.51	kPa	Joback Method
rinpol	3058.00		NIST Webbook
tb	899.41	K	Joback Method
tc	1140.25	K	Joback Method
tf	544.57	K	Joback Method
vc	1.377	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	1380.86	J/mol×K	899.41	Joback Method
cpg	1422.16	J/mol×K	939.55	Joback Method
cpg	1465.27	J/mol×K	979.69	Joback Method
cpg	1510.85	J/mol×K	1019.83	Joback Method
cpg	1559.57	J/mol×K	1059.97	Joback Method
cpg	1612.08	J/mol×K	1100.11	Joback Method
cpg	1669.05	J/mol×K	1140.25	Joback Method

# Sources

<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307I">http://pubs.acs.org/doi/abs/10.1021/ci990307I</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>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=R553530&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R553530&amp;Units=SI</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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