

# 1H-Cyclopropa[a]naphthalene,1a,2,3,7b-tetrahydr

<b>Inchi:</b>	InChI=1S/C11H12/c1-2-4-10-8(3-1)5-6-9-7-11(9)10/h1-4,9,11H,5-7H2
<b>InchiKey:</b>	OJCHTVUCUPYBWLX-UHFFFAOYSA-N
<b>Formula:</b>	C11H12
<b>SMILES:</b>	c1ccc2c(c1)CCC1CC21
<b>Mol. weight [g/mol]:</b>	144.21
<b>CAS:</b>	25033-22-1

## Physical Properties

Property code	Value	Unit	Source
gf	278.12	kJ/mol	Joback Method
hf	106.45	kJ/mol	Joback Method
hfus	16.27	kJ/mol	Joback Method
hvap	42.67	kJ/mol	Joback Method
log10ws	-3.01		Crippen Method
logp	2.736		Crippen Method
mcvol	120.370	ml/mol	McGowan Method
pc	3368.44	kPa	Joback Method
tb	491.95	K	Joback Method
tc	720.98	K	Joback Method
tf	292.07	K	Joback Method
vc	0.466	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	272.31	J/molxK	491.95	Joback Method
cpg	289.37	J/molxK	530.12	Joback Method
cpg	305.07	J/molxK	568.29	Joback Method
cpg	319.50	J/molxK	606.46	Joback Method
cpg	332.80	J/molxK	644.64	Joback Method
cpg	345.07	J/molxK	682.81	Joback Method
cpg	356.44	J/molxK	720.98	Joback Method
dvisc	0.0010901	Paxs	292.07	Joback Method
dvisc	0.0010588	Paxs	325.38	Joback Method

dvisc	0.0010339	Paxs	358.70	Joback Method
dvisc	0.0010137	Paxs	392.01	Joback Method
dvisc	0.0009970	Paxs	425.32	Joback Method
dvisc	0.0009829	Paxs	458.64	Joback Method
dvisc	0.0009709	Paxs	491.95	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=C25033221&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C25033221&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>mccvol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<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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