

# Tricyclo[4.4.0.0(2.7)]dec-3-ene

<b>Inchi:</b>	InChI=1S/C10H14/c1-3-7-9-5-2-6-10(7)8(9)4-1/h1,3,7-10H,2,4-6H2
<b>InchiKey:</b>	AYOGPBKYQXSDMG-UHFFFAOYSA-N
<b>Formula:</b>	C10H14
<b>SMILES:</b>	C1=CC2C3CCCC2C3C1
<b>Mol. weight [g/mol]:</b>	134.22

## Physical Properties

Property code	Value	Unit	Source
gf	225.72	kJ/mol	Joback Method
hf	-0.05	kJ/mol	Joback Method
hfus	16.25	kJ/mol	Joback Method
hvap	37.75	kJ/mol	Joback Method
log10ws	-2.58		Crippen Method
logp	2.609		Crippen Method
mcvol	114.880	ml/mol	McGowan Method
pc	3228.31	kPa	Joback Method
rinsol	1443.00		NIST Webbook
tb	447.18	K	Joback Method
tc	663.03	K	Joback Method
tf	249.28	K	Joback Method
vc	0.444	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	257.68	J/molxK	447.18	Joback Method
cpg	277.50	J/molxK	483.15	Joback Method
cpg	295.87	J/molxK	519.13	Joback Method
cpg	312.91	J/molxK	555.10	Joback Method
cpg	328.70	J/molxK	591.08	Joback Method
cpg	343.35	J/molxK	627.05	Joback Method
cpg	356.95	J/molxK	663.03	Joback Method
dvisc	0.0004996	Paxs	249.28	Joback Method
dvisc	0.0006099	Paxs	282.26	Joback Method

dvisc	0.0007141	Paxs	315.25	Joback Method
dvisc	0.0008115	Paxs	348.23	Joback Method
dvisc	0.0009021	Paxs	381.21	Joback Method
dvisc	0.0009859	Paxs	414.20	Joback Method
dvisc	0.0010635	Paxs	447.18	Joback Method

## Sources

<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>
<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=R577452&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R577452&amp;Units=SI</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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