

# trans,cis-2,6-Nonadien-1-ol

<b>Other names:</b>	2,6-Nonadien-1-ol, (E,Z)- trans-2-cis-6-Nonadien-1-ol 2,6-Nonadienol, trans,cis- 2-trans-6-cis-Nonadien-1-ol (2E,6Z)-2,6-Nonadien-1-ol (E,Z)-2,6-Nonadien-1-ol (E,Z)-2,6-Nonadienol (E,Z)-Nona-2,6-dienol Nona-2,6(E,Z)-dienol 2,6-Nonadien-1-ol, (2E,6Z)- trans-2,cis-6-Nonadienol Nonadienol (2E,6Z)-nona-2,6-dien-1-ol
<b>Inchi:</b>	InChI=1S/C9H16O/c1-2-3-4-5-6-7-8-9-10/h3-4,7-8,10H,2,5-6,9H2,1H3/b4-3-,8-7+
<b>InchiKey:</b>	AMXYRHBZOVHOL-ODYTWBPASA-N
<b>Formula:</b>	C9H16O
<b>SMILES:</b>	CCC=CCCC=CCO
<b>Mol. weight [g/mol]:</b>	140.22
<b>CAS:</b>	28069-72-9

## Physical Properties

Property code	Value	Unit	Source
gf	48.52	kJ/mol	Joback Method
hf	-146.88	kJ/mol	Joback Method
hfus	23.56	kJ/mol	Joback Method
hvap	52.22	kJ/mol	Joback Method
log10ws	-2.56		Crippen Method
logp	2.281		Crippen Method
mcvol	134.940	ml/mol	McGowan Method
pc	2811.36	kPa	Joback Method
rinpol	1169.00		NIST Webbook
rinpol	1160.00		NIST Webbook
rinpol	1171.00		NIST Webbook
rinpol	1173.00		NIST Webbook
rinpol	1167.00		NIST Webbook
rinpol	1168.00		NIST Webbook
rinpol	1168.00		NIST Webbook

ripol	1143.00		NIST Webbook
ripol	1170.00		NIST Webbook
ripol	1153.00		NIST Webbook
ripol	1170.00		NIST Webbook
ripol	1776.00		NIST Webbook
ripol	1793.00		NIST Webbook
ripol	1766.00		NIST Webbook
ripol	1766.00		NIST Webbook
ripol	1784.00		NIST Webbook
ripol	1794.00		NIST Webbook
ripol	1759.00		NIST Webbook
ripol	1750.00		NIST Webbook
ripol	1754.00		NIST Webbook
ripol	1754.00		NIST Webbook
tb	505.82	K	Joback Method
tc	678.53	K	Joback Method
tf	241.85	K	Joback Method
vc	0.518	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	299.59	J/molxK	505.82	Joback Method
cpg	311.24	J/molxK	534.61	Joback Method
cpg	322.33	J/molxK	563.39	Joback Method
cpg	332.89	J/molxK	592.18	Joback Method
cpg	342.93	J/molxK	620.96	Joback Method
cpg	352.49	J/molxK	649.75	Joback Method
cpg	361.60	J/molxK	678.53	Joback Method
dvisc	0.0451627	Paxs	241.85	Joback Method
dvisc	0.0074581	Paxs	285.85	Joback Method
dvisc	0.0019913	Paxs	329.84	Joback Method
dvisc	0.0007255	Paxs	373.84	Joback Method
dvisc	0.0003269	Paxs	417.83	Joback Method
dvisc	0.0001715	Paxs	461.83	Joback Method
dvisc	0.0001006	Paxs	505.82	Joback Method

# Sources

<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.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=C28069729&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C28069729&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>ripol:</b>	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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