

# 9-Allyl-9H-fluorene

<b>Inchi:</b>	InChI=1S/C16H14/c1-2-7-12-13-8-3-5-10-15(13)16-11-6-4-9-14(12)16/h2-6,8-12H,1,7H2
<b>InchiKey:</b>	MUWXMVRHKXRLCX-UHFFFAOYSA-N
<b>Formula:</b>	C16H14
<b>SMILES:</b>	C=CCC1c2ccccc2-c2ccccc21
<b>Mol. weight [g/mol]:</b>	206.28

## Physical Properties

Property code	Value	Unit	Source
gf	462.19	kJ/mol	Joback Method
hf	287.10	kJ/mol	Joback Method
hfus	25.55	kJ/mol	Joback Method
hvap	55.98	kJ/mol	Joback Method
log10ws	-5.49		Crippen Method
logp	4.375		Crippen Method
mcvol	173.620	ml/mol	McGowan Method
pc	2500.00	kPa	Joback Method
rinpola	276.30		NIST Webbook
rinpola	276.30		NIST Webbook
tb	623.68	K	Joback Method
tc	861.26	K	Joback Method
tf	371.18	K	Joback Method
vc	0.669	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	431.98	J/molxK	623.68	Joback Method
cpg	448.26	J/molxK	663.28	Joback Method
cpg	463.28	J/molxK	702.87	Joback Method
cpg	477.17	J/molxK	742.47	Joback Method
cpg	490.08	J/molxK	782.07	Joback Method
cpg	502.12	J/molxK	821.66	Joback Method
cpg	513.44	J/molxK	861.26	Joback Method
dvisc	0.0015252	Paxs	371.18	Joback Method

dvisc	0.0012336	Paxs	413.26	Joback Method
dvisc	0.0010376	Paxs	455.35	Joback Method
dvisc	0.0008987	Paxs	497.43	Joback Method
dvisc	0.0007960	Paxs	539.51	Joback Method
dvisc	0.0007176	Paxs	581.60	Joback Method
dvisc	0.0006560	Paxs	623.68	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=R572417&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R572417&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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