

# Anthracene, 9,10-di-1-naphthyl-

<b>Inchi:</b>	InChI=1S/C34H22/c1-3-15-25-23(11-1)13-9-21-27(25)33-29-17-5-7-19-31(29)34(32-20-8
<b>InchiKey:</b>	GWNJZSGBZMLRBW-UHFFFAOYSA-N
<b>Formula:</b>	C34H22
<b>SMILES:</b>	c1ccc2c(-c3c4ccccc4c(-c4ccccc5ccccc45)c4ccccc34)cccc2c1
<b>Mol. weight [g/mol]:</b>	430.54
<b>CAS:</b>	26979-27-1

## Physical Properties

Property code	Value	Unit	Source
gf	951.08	kJ/mol	Joback Method
hf	671.43	kJ/mol	Joback Method
hfus	52.07	kJ/mol	Joback Method
hvap	107.98	kJ/mol	Joback Method
log10ws	-13.90		Crippen Method
logp	9.633		Crippen Method
mvol	340.800	ml/mol	McGowan Method
pc	1497.67	kPa	Joback Method
tb	1158.18	K	Joback Method
tc	1448.13	K	Joback Method
tf	745.60	K	Joback Method
vc	1.304	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	1107.46	J/molxK	1158.18	Joback Method
cpg	1129.44	J/molxK	1206.51	Joback Method
cpg	1152.79	J/molxK	1254.83	Joback Method
cpg	1177.96	J/molxK	1303.16	Joback Method
cpg	1205.42	J/molxK	1351.48	Joback Method
cpg	1235.60	J/molxK	1399.81	Joback Method
cpg	1268.96	J/molxK	1448.13	Joback Method
dvisc	0.0011916	Paxs	745.60	Joback Method
dvisc	0.0009325	Paxs	814.36	Joback Method

dvisc	0.0007581	Paxs	883.13	Joback Method
dvisc	0.0006350	Paxs	951.89	Joback Method
dvisc	0.0005448	Paxs	1020.65	Joback Method
dvisc	0.0004765	Paxs	1089.42	Joback Method
dvisc	0.0004234	Paxs	1158.18	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=C26979271&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C26979271&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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