

# 4,4' Sec butylidene bis(o-allylphenol)

<b>Inchi:</b>	InChI=1S/C22H26O2/c1-5-8-16-14-18(10-12-20(16)23)22(4,7-3)19-11-13-21(24)17(15-1
<b>InchiKey:</b>	RKXAXNMWGZOJDM-UHFFFAOYSA-N
<b>Formula:</b>	C22H26O2
<b>SMILES:</b>	C=CCc1cc(C(C)(CC)c2ccc(O)c(CC=C)c2)ccc1O
<b>Mol. weight [g/mol]:</b>	322.44
<b>CAS:</b>	116346-11-3

## Physical Properties

Property code	Value	Unit	Source
gf	209.20	kJ/mol	Joback Method
hf	-159.80	kJ/mol	Joback Method
hfus	41.63	kJ/mol	Joback Method
hvap	93.83	kJ/mol	Joback Method
log10ws	-5.75		Crippen Method
logp	5.271		Crippen Method
mcvol	276.460	ml/mol	McGowan Method
pc	1895.30	kPa	Joback Method
tb	917.45	K	Joback Method
tc	1159.32	K	Joback Method
tf	637.92	K	Joback Method
vc	0.934	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	865.51	J/molxK	917.45	Joback Method
cpg	882.65	J/molxK	957.76	Joback Method
cpg	899.67	J/molxK	998.07	Joback Method
cpg	916.81	J/molxK	1038.39	Joback Method
cpg	934.33	J/molxK	1078.70	Joback Method
cpg	952.46	J/molxK	1119.01	Joback Method
cpg	971.46	J/molxK	1159.32	Joback Method
dvisc	0.0000043	Paxs	637.92	Joback Method
dvisc	0.0000019	Paxs	684.51	Joback Method

dvisc	0.0000010	Paxs	731.10	Joback Method
dvisc	0.0000005	Paxs	777.69	Joback Method
dvisc	0.0000003	Paxs	824.27	Joback Method
dvisc	0.0000002	Paxs	870.86	Joback Method
dvisc	0.0000001	Paxs	917.45	Joback Method

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C116346113&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C116346113&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>
<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>

## 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>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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