

# Fluoren-9-ol, 2-(diethylamino)-

<b>Inchi:</b>	InChI=1S/C17H19NO/c1-3-18(4-2)12-9-10-14-13-7-5-6-8-15(13)17(19)16(14)11-12/h5-1
<b>InchiKey:</b>	MVTIEKNFOFJLRT-UHFFFAOYSA-N
<b>Formula:</b>	C17H19NO
<b>SMILES:</b>	CCN(CC)c1ccc2c(c1)C(O)c1ccccc1-2
<b>Mol. weight [g/mol]:</b>	253.34
<b>CAS:</b>	101583-85-1

## Physical Properties

Property code	Value	Unit	Source
gf	347.10	kJ/mol	Joback Method
hf	44.86	kJ/mol	Joback Method
hfus	36.14	kJ/mol	Joback Method
hvap	78.27	kJ/mol	Joback Method
log10ws	-4.89		Crippen Method
logp	3.595		Crippen Method
mcvol	207.860	ml/mol	McGowan Method
pc	2349.64	kPa	Joback Method
tb	759.48	K	Joback Method
tc	970.21	K	Joback Method
tf	490.02	K	Joback Method
vc	0.781	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	601.29	J/molxK	759.48	Joback Method
cpg	615.13	J/molxK	794.60	Joback Method
cpg	628.17	J/molxK	829.72	Joback Method
cpg	640.50	J/molxK	864.84	Joback Method
cpg	652.22	J/molxK	899.96	Joback Method
cpg	663.42	J/molxK	935.08	Joback Method
cpg	674.19	J/molxK	970.21	Joback Method

# Sources

<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307I">http://pubs.acs.org/doi/abs/10.1021/ci990307I</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=C101583851&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C101583851&amp;Units=SI</a>

# Legend

<b>cpg:</b>	Ideal gas heat capacity
<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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