

# Allyl phenoxyacetate

<b>Other names:</b>	Acetic acid, phenoxy-, 2-propenyl ester Acetate p.a. Acetic acid, phenoxy-, allyl ester
<b>Inchi:</b>	InChI=1S/C11H12O3/c1-2-8-13-11(12)9-14-10-6-4-3-5-7-10/h2-7H,1,8-9H2
<b>InchiKey:</b>	VUFZVGQUAVDKMC-UHFFFAOYSA-N
<b>Formula:</b>	C11H12O3
<b>SMILES:</b>	C=CCOC(=O)COc1ccccc1
<b>Mol. weight [g/mol]:</b>	192.21
<b>CAS:</b>	7493-74-5

## Physical Properties

Property code	Value	Unit	Source
gf	-96.93	kJ/mol	Joback Method
hf	-285.43	kJ/mol	Joback Method
hfus	20.98	kJ/mol	Joback Method
hvap	53.25	kJ/mol	Joback Method
log10ws	-1.98		Crippen Method
logp	1.795		Crippen Method
mcvol	151.100	ml/mol	McGowan Method
pc	2853.57	kPa	Joback Method
rinpol	1429.00		NIST Webbook
rinpol	1452.00		NIST Webbook
rinpol	1452.00		NIST Webbook
rinpol	1429.00		NIST Webbook
tb	573.15	K	Joback Method
tc	784.49	K	Joback Method
tf	332.78	K	Joback Method
vc	0.567	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	351.11	J/molxK	573.15	Joback Method
cpg	364.61	J/molxK	608.37	Joback Method

cpg	377.34	J/molxK	643.60	Joback Method
cpg	389.31	J/molxK	678.82	Joback Method
cpg	400.55	J/molxK	714.04	Joback Method
cpg	411.06	J/molxK	749.26	Joback Method
cpg	420.85	J/molxK	784.49	Joback Method
dvisc	0.0016305	Paxs	332.78	Joback Method
dvisc	0.0009104	Paxs	372.84	Joback Method
dvisc	0.0005692	Paxs	412.90	Joback Method
dvisc	0.0003867	Paxs	452.96	Joback Method
dvisc	0.0002797	Paxs	493.03	Joback Method
dvisc	0.0002125	Paxs	533.09	Joback Method
dvisc	0.0001677	Paxs	573.15	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=C7493745&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C7493745&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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