

# Atenolol diacetate

<b>Other names:</b>	Atenolol, acetylated
<b>Inchi:</b>	InChI=1S/C18H26N2O5/c1-12(2)20(13(3)21)10-17(25-14(4)22)11-24-16-7-5-15(6-8-16)9
<b>InchiKey:</b>	QRLMZEGBCRPZKY-UHFFFAOYSA-N
<b>Formula:</b>	C18H26N2O5
<b>SMILES:</b>	<chem>CC(=O)OC(COc1ccc(CC(N)=O)cc1)CN(C(C)=O)C(C)C</chem>
<b>Mol. weight [g/mol]:</b>	350.41

## Physical Properties

Property code	Value	Unit	Source
gf	-220.95	kJ/mol	Joback Method
hf	-701.21	kJ/mol	Joback Method
hfus	44.37	kJ/mol	Joback Method
hvap	95.57	kJ/mol	Joback Method
log10ws	-2.80		Crippen Method
logp	1.282		Crippen Method
mvol	277.130	ml/mol	McGowan Method
pc	1730.34	kPa	Joback Method
rinpol	2380.00		NIST Webbook
rinpol	2380.00		NIST Webbook
tb	933.44	K	Joback Method
tc	1153.33	K	Joback Method
tf	611.54	K	Joback Method
vc	1.024	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	883.64	J/molxK	933.44	Joback Method
cpg	896.21	J/molxK	970.09	Joback Method
cpg	907.52	J/molxK	1006.74	Joback Method
cpg	917.60	J/molxK	1043.39	Joback Method
cpg	926.47	J/molxK	1080.04	Joback Method
cpg	934.19	J/molxK	1116.68	Joback Method
cpg	940.77	J/molxK	1153.33	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=U119839&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U119839&amp;Units=SI</a>
<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>

# 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>hvp:</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>rinp:</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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