

# Platyphylline

<b>Other names:</b>	Senecionan-11,16-dione, 1,2-dihydro-12-hydroxy-, (1«alpha»)- (1-«alpha»)-1,2-Dihydro-12-hydroxysenecionan-11,16-dione Platiphillin Platiphyllin
<b>Inchi:</b>	InChI=1S/C18H27NO5/c1-4-12-9-11(2)18(3,22)17(21)23-10-13-5-7-19-8-6-14(15(13)19)
<b>InchiKey:</b>	BTHCJHQOYFUIMG-QCDXTXTGSA-N
<b>Formula:</b>	C18H27NO5
<b>SMILES:</b>	<chem>CC=C1CC(C)C(C)(O)C(=O)OCC2CCN3CCC(OC1=O)C23</chem>
<b>Mol. weight [g/mol]:</b>	337.41
<b>CAS:</b>	480-78-4

## Physical Properties

Property code	Value	Unit	Source
log10ws	-2.31		Crippen Method
logp	1.273		Crippen Method
mcvol	258.330	ml/mol	McGowan Method
rinpol	2430.00		NIST Webbook
rinpol	2439.00		NIST Webbook
rinpol	2457.00		NIST Webbook
rinpol	2468.00		NIST Webbook

## Sources

<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</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>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=C480784&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C480784&amp;Units=SI</a>

## Legend

**log10ws:** Log10 of Water solubility in mol/l

**logp:** Octanol/Water partition coefficient  
**mcvol:** McGowan's characteristic volume  
**rinpol:** Non-polar retention indices

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