

# 2-Pyrrolidinone, 1-(1-(4-methylbenzoyl)ethyl)

<b>Other names:</b>	4'-Methyl-«alpha»-pyrrolidinopropiophenone-M (oxo-)
<b>Inchi:</b>	InChI=1S/C14H17NO2/c1-10-5-7-12(8-6-10)14(17)11(2)15-9-3-4-13(15)16/h5-8,11H,3-4
<b>InchiKey:</b>	MQHIRDVFNSYBCC-UHFFFAOYSA-N
<b>Formula:</b>	C14H17NO2
<b>SMILES:</b>	<chem>Cc1ccc(C(=O)C(C)N2CCCC2=O)cc1</chem>
<b>Mol. weight [g/mol]:</b>	231.29

## Physical Properties

Property code	Value	Unit	Source
log10ws	-3.05		Crippen Method
logp	2.189		Crippen Method
mcvol	186.620	ml/mol	McGowan Method
rmpol	1920.00		NIST Webbook
rinpol	1920.00		NIST Webbook

## 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>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=R284214&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R284214&amp;Units=SI</a>

## Legend

<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>rinpol:</b>	Non-polar retention indices

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