

# Buspirone

<b>Other names:</b>	8-Azaspiro[4.5]decane-7,9-dione, 8-[4-[4-(2-pyrimidinyl)-1-piperazinyl]butyl]-8-Azaspiro(4,5)decane-7,9-dione, 8-(4-(4-(2-pyrimidinyl)piperizinyl)butyl)-8-(4-(4-(2-Pyrimidinyl)-1-piperizinyl)butyl)-8-azaspiro(4,5)decane-7,9-dione, 8-[4-(4-Pyrimidin-2-yl-piperazin-1-yl)-butyl]-8-aza-spiro[4.5]decane-7,9-dione
<b>Inchi:</b>	InChI=1S/C21H31N5O2/c27-18-16-21(6-1-2-7-21)17-19(28)26(18)11-4-3-10-24-12-14-25
<b>InchiKey:</b>	QWCRAEMEVGPNT-UHFFFAOYSA-N
<b>Formula:</b>	C21H31N5O2
<b>SMILES:</b>	O=C1CC2(CCCC2)CC(=O)N1CCCCN1CCN(c2ncccn2)CC1
<b>Mol. weight [g/mol]:</b>	385.50
<b>CAS:</b>	36505-84-7

## Physical Properties

Property code	Value	Unit	Source
log10ws	-3.32		Crippen Method
logp	2.088		Crippen Method
mcvol	303.450	ml/mol	McGowan 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>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=C36505847&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C36505847&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

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