

# Cyclobutaphosphane, tetrakis(trifluoromethyl)-

<b>Other names:</b>	Tetraphosphetane, tetrakis(trifluoromethyl)- 1,2,3,4-Tetra-kis(trifluoromethyl)cyclotetraphosphine
<b>Inchi:</b>	InChI=1S/C4F12P4/c5-1(6,7)17-18(2(8,9)10)20(4(14,15)16)19(17)3(11,12)13
<b>InchiKey:</b>	TVVWVWIPMQJSXJS-UHFFFAOYSA-N
<b>Formula:</b>	C4F12P4
<b>SMILES:</b>	FC(F)(F)P1P(C(F)(F)F)P(C(F)(F)F)P1C(F)(F)F
<b>Mol. weight [g/mol]:</b>	399.92
<b>CAS:</b>	393-02-2

## Physical Properties

Property code	Value	Unit	Source
log10ws	6.60		Crippen Method
logp	7.667		Crippen Method
mcvol	159.440	ml/mol	McGowan 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>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=C393022&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C393022&amp;Units=SI</a>
<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>

## 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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