

# Diphosphorous tetrafluoride

<b>Other names:</b>	Diphosphorus tetrafluoride Bis-difluorophosphinic oxide Diphosphorus tetrafluoride oxide Diphosphorous tetrafluoride oxide
<b>Inchi:</b>	InChI=1S/F4OP2/c1-6(2)5-7(3)4
<b>InchiKey:</b>	BOCCVSWJBAYVHO-UHFFFAOYSA-N
<b>Formula:</b>	F4OP2
<b>SMILES:</b>	FP(F)OP(F)F
<b>Mol. weight [g/mol]:</b>	153.94
<b>CAS:</b>	13812-07-2

## Physical Properties

Property code	Value	Unit	Source
ie	11.20	eV	NIST Webbook
log10ws	4.03		Crippen Method
logp	3.335		Crippen Method
mcvol	64.730	ml/mol	McGowan Method

## Sources

<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=C13812072&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C13812072&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>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>

## Legend

<b>ie:</b>	Ionization energy
<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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