

# Phosphoryl chloride difluoride

<b>Other names:</b>	Chlorodifluorophosphorus oxide Phosphoryl difluorochloride Phosphoric chloride difluoride Phosphoryl chloride fluoride
<b>Inchi:</b>	InChI=1S/ClF2OP/c1-5(2,3)4
<b>InchiKey:</b>	BJHSNICXDHWUGU-UHFFFAOYSA-N
<b>Formula:</b>	ClF2OP
<b>SMILES:</b>	O=P(F)(F)Cl
<b>Mol. weight [g/mol]:</b>	120.42
<b>CAS:</b>	13769-75-0

## Physical Properties

Property code	Value	Unit	Source
log10ws	-2.95		Crippen Method
logp	2.272		Crippen Method
mcvol	52.970	ml/mol	McGowan Method

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C13769750&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C13769750&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307i">http://pubs.acs.org/doi/abs/10.1021/ci990307i</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>

## 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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