

Phosphorus chloride

Inchi:	InChI=1S/CIP/c1-2
InchiKey:	OKSUCCKLAIZTQH-UHFFFAOYSA-N
Formula:	CIP
SMILES:	[P]Cl
Mol. weight [g/mol]:	66.43
CAS:	17167-55-4

Physical Properties

Property code	Value	Unit	Source
log10ws	2.29		Crippen Method
logp	1.551		Crippen Method
mcvol	39.260	ml/mol	McGowan Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C17167554&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307I
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume

Latest version available from:

<https://www.chemeo.com/cid/45-951-6/Phosphorus-chloride.pdf>

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