

Phosphine, 1-propynyl-

Inchi:	InChI=1S/C3H5P/c1-2-3-4/h4H2,1H3
InchiKey:	LTSBDKOJZYPQGD-UHFFFAOYSA-N
Formula:	C3H5P
SMILES:	CC#CP
Mol. weight [g/mol]:	72.05
CAS:	133672-84-1

Physical Properties

Property code	Value	Unit	Source
ie	9.21	eV	NIST Webbook
log10ws	2.40		Crippen Method
logp	0.842		Crippen Method
mcvol	64.990	ml/mol	McGowan Method

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C133672841&Units=SI

Legend

ie:	Ionization energy
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/73-203-5/Phosphine-1-propynyl.pdf>

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