

Phosphine, ethyl-

Other names:	Ethylphosphine
Inchi:	InChI=1S/C2H7P/c1-2-3/h2-3H2,1H3
InchiKey:	JLHMVTORNNQCRM-UHFFFAOYSA-N
Formula:	C2H7P
SMILES:	CCP
Mol. weight [g/mol]:	62.05
CAS:	593-68-0

Physical Properties

Property code	Value	Unit	Source
ie	9.50	eV	NIST Webbook
ie	9.50 ± 0.30	eV	NIST Webbook
ie	9.50 ± 0.50	eV	NIST Webbook
log10ws	3.11		Crippen Method
logp	0.881		Crippen Method
mcvol	59.500	ml/mol	McGowan Method

Sources

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=C593680&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

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/69-989-9/Phosphine-ethyl.pdf>

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