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