Phosphine, (1-methyl-1,2-propadienyl)-

Inchi: InChI=1S/C4H7P/c1-3-4(2)5/h1,5H2,2H3
InchiKey: FJMSLUMCPHPSBT-UHFFFAOYSA-N
Formula: C4H7P
SMILES: C=C=C(C)P
Mol. weight [g/mol]: 86.07
CAS: 133672-88-5

Physical Properties

Property code	Value	Unit	Source
ie	8.90	eV	NIST Webbook
log10ws	2.05		Crippen Method
logp	1.550		Crippen Method
mcvol	79.080	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=C133672885&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Legend

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

Cheméo (https://www.chemeo.com) is the biggest free database of chemical and physical data for the process industry.