Phosphine, dibutylvinyl-

Inchi: InChI=1S/C10H21P/c1-4-7-9-11(6-3)10-8-5-2/h6H,3-5,7-10H2,1-2H3
InchiKey: CQOGRDZYCMHKKE-UHFFFAOYSA-N
Formula: C10H21P
SMILES: C=CP(CCCC)CCCC
Mol. weight [g/mol]: 172.25
CAS: 13652-22-7

Physical Properties

Property code	Value	Unit	Source
ie	8.25	eV	NIST Webbook
log10ws	-0.21		Crippen Method
logp	4.212		Crippen Method
mcvol	167.920	ml/mol	McGowan Method

Sources

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
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=C13652227&Units=SI

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.