Phosphine, methyldipropyl-

Other names: (n-C3H7)2(CH3)P
Inchi: InChI=1S/C7H17P/c1-4-6-8(3)7-5-2/h4-7H2,1-3H3
InchiKey: OJIIWFKIAMTMDH-UHFFFAOYSA-N
Formula: C7H17P
SMILES: CCCP(C)CCC
Mol. weight [g/mol]: 132.18
CAS: 62158-11-6

Physical Properties

Property code	Value	Unit	Source
affp	983.50	kJ/mol	NIST Webbook
basg	950.90	kJ/mol	NIST Webbook
log10ws	1.39		Crippen Method
logp	2.918		Crippen Method
mcvol	129.950	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=C62158116&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

affp: Proton affinity
basg: Gas basicity
log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient
mcvol: McGowan's characteristic volume