Trimethyldiphosphinyl radical

Inchi: InChI=1S/C3H9P2/c1-4-5(2)3/h1-3H3
InchiKey: RGQRPRRPSJHKNO-UHFFFAOYSA-N
Formula: C3H9P2
SMILES: C[P]P(C)C
Mol. weight [g/mol]: 107.05
CAS: 89148-95-8

Physical Properties

Property code	Value	Unit	Source
ie	7.90	eV	NIST Webbook
log10ws	5.78		Crippen Method
logp	2.219		Crippen Method
mcvol	91.900	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=C89148958&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.