Tetraethyldiphosphine

Inchi: InChI=1S/C8H20P2/c1-5-9(6-2)10(7-3)8-4/h5-8H2,1-4H3
InchiKey: UVTLTCJBYXBVBA-UHFFFAOYSA-N
Formula: C8H20P2
SMILES: CCP(CC)P(CC)CC
Mol. weight [g/mol]: 178.19
CAS: 3040-63-9

Physical Properties

Property code	Value	Unit	Source
ie	7.80	eV	NIST Webbook
ie	7.80 ± 0.30	eV	NIST Webbook
log10ws	4.13		Crippen Method
logp	3.945		Crippen Method
mcvol	164.500	ml/mol	McGowan Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C3040639&Units=SI
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

Legend

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