P2F4

Other names:	Diphosphorus tetrafluoride
	Tetrafluorodiphosphine
Inchi:	InChI=1S/F4P2/c1-5(2)6(3)4
InchiKey:	PCIAPVMJDQUHAP-UHFFFAOYSA-N
Formula:	F4P2
SMILES:	FP(F)P(F)F
Mol. weight [g/mol]:	137.94
CAS:	13824-74-3

Physical Properties

Property code	Value	Unit	Source
ie	9.28	eV	NIST Webbook
ie	9.30 ± 0.10	eV	NIST Webbook
ie	9.64	eV	NIST Webbook
log10ws	4.10		Crippen Method
logp	3.403		Crippen Method
mcvol	58.860	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=C13824743&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