# P2F4

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|---|---|
| **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

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|---|---|
| **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 |