# Tetrafluorodiphosphine

**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

# 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 |
| logp | 3.403 | | Crippen Method |
| mcvol | 58.860 | ml/mol | McGowan Method |
| tb | 224.20 | K | Cheméo Relay (1.0) |

# Sources

**Cheméo Relay (1.0, beta):**
**NIST Webbook:** http://webbook.nist.gov/cgi/cbook.cgi?ID=C13824743&Units=SI
**McGowan Method:** http://link.springer.com/article/10.1007/BF02311772
**Crippen Method:** http://pubs.acs.org/doi/abs/10.1021/ci990307l
**Crippen Method:** https://www.chemeo.com/doc/models/crippen_log10ws
**Cheméo Relay (1.0):**

# Legend

**ie:** Ionization energy
**logp:** Octanol/Water partition coefficient
**mcvol:** McGowan's characteristic volume

**tb:** Normal Boiling Point Temperature