

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

Latest version available from:

<https://www.chemeo.com/cid/38-078-4/P2F4.pdf>

Generated by Cheméo on 2024-05-01 00:19:10.484069233 +0000 UTC m=+16811999.404646550.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.