

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

Latest version available from:

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

Generated by Cheméo on 2026-07-21 20:52:40.747182529 +0000 UTC m=+178256.589067958.

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