

Phosphorocyanidous difluoride

Other names:	Difluorocyanophosphine
Inchi:	InChI=1S/CF2NP/c2-5(3)1-4
InchiKey:	OOZKJXCTKSNMBV-UHFFFAOYSA-N
Formula:	CF2NP
SMILES:	N#CP(F)F
Mol. weight [g/mol]:	94.99
CAS:	14118-40-2

Physical Properties

Property code	Value	Unit	Source
ie	11.70 ± 0.20	eV	NIST Webbook
ie	11.90 ± 0.10	eV	NIST Webbook
log10ws	1.85		Crippen Method
logp	1.718		Crippen Method
mcvol	50.330	ml/mol	McGowan Method

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C14118402&Units=SI

Legend

ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume

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