

Phosphoramidous difluoride

Other names: (Difluorophosphino)amine
Aminodifluorophosphine

Inchi: InChI=1S/F2H2NP/c1-4(2)3/h3H2

InchiKey: MAZAVXNOOKBYCU-UHFFFAOYSA-N

Formula: F2H2NP

SMILES: NP(F)F

Mol. weight [g/mol]: 84.99

CAS: 25757-74-8

Physical Properties

Property code	Value	Unit	Source
ie	10.90 ± 0.10	eV	NIST Webbook
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log10ws	2.21		Crippen Method
logp	1.111		Crippen Method
mcvol	44.840	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=C25757748&Units=SI>

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

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

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