Difluoroamino radical

Inchi: InChI=1S/F2N/c1-3-2
InchiKey: BBZREMAMWBDNHH-UHFFFAOYSA-N
Formula: F2N
SMILES: F[N]F
Mol. weight [g/mol]: 52.00
CAS: 3744-07-8

Physical Properties

Property code	Value	Unit	Source
ea	0.41 ± 0.15	eV	NIST Webbook
ea	3.00	eV	NIST Webbook
ea	0.87 ± 0.15	eV	NIST Webbook
ea	1.35 ± 0.15	eV	NIST Webbook
ea	1.10 ± 0.10	eV	NIST Webbook
ea	1.68 ± 0.21	eV	NIST Webbook
ea	0.70 ± 0.20	eV	NIST Webbook
ie	11.79 ± 0.12	eV	NIST Webbook
ie	12.10 ± 0.10	eV	NIST Webbook
ie	11.63 ± 0.01	eV	NIST Webbook
ie	11.80 ± 0.40	eV	NIST Webbook
ie	11.63 ± 0.01	eV	NIST Webbook
ie	11.80 ± 0.10	eV	NIST Webbook
ie	12.10	eV	NIST Webbook
ie	11.62 ± 0.02	eV	NIST Webbook
log10ws	4.24		Crippen Method
logp	0.360		Crippen Method
mcvol	22.230	ml/mol	McGowan Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C3744078&Units=SI
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

Legend

ea:	Electron affinity
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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