

Fluoroimidogen

Inchi: InChI=1S/FN/c1-2
InchiKey: CMUBZTNXGBJMQ-UHFFFAOYSA-N
Formula: FN
SMILES: [N]F
Mol. weight [g/mol]: 33.01
CAS: 13967-06-1

Physical Properties

Property code	Value	Unit	Source
ea	0.50	eV	NIST Webbook
ie	12.26 ± 0.01	eV	NIST Webbook
ie	12.63 ± 0.01	eV	NIST Webbook
ie	12.10 ± 0.40	eV	NIST Webbook
log10ws	4.64		Crippen Method
logp	-0.060		Crippen Method
mcvol	18.310	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=C13967061&Units=SI>

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

Latest version available from:

<https://www.chemeo.com/cid/10-919-0/Fluoroimidogen.pdf>

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