

# 3-fluoro-pyridine-1-oxide

**Inchi:** InChI=1S/C5H4FNO/c6-5-2-1-3-7(8)4-5/h1-4H  
**InchiKey:** QVGBDRDOWKIYHK-UHFFFAOYSA-N  
**Formula:** C5H4FNO  
**SMILES:** [O-][n+]1cccc(F)c1  
**Mol. weight [g/mol]:** 113.09  
**CAS:** 695-37-4

## Physical Properties

Property code	Value	Unit	Source
affp	900.10	kJ/mol	NIST Webbook
basg	867.60	kJ/mol	NIST Webbook
log10ws	-3.33		Crippen Method
logp	0.459		Crippen Method
mcvol	75.170	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=C695374&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307l>  
**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)

## Legend

**affp:** Proton affinity  
**basg:** Gas basicity  
**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient  
**mcvol:** McGowan's characteristic volume

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