# Indoleacetic acid, methyl, 1-PFP

**Inchi:** InChI=1S/C14H10F5NO3/c1-23-11(21)6-8-7-20(10-5-3-2-4-9(8)10)12(22)13(15,16)14(17
**InchiKey:** HVCYLVDDRIHNLM-UHFFFAOYSA-N
**Formula:** C14H10F5NO3
**SMILES:** COC(=O)Cc1cn(C(=O)C(F)(F)C(F)(F)F)c2ccccc12
**Mol. weight [g/mol]:** 335.23

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| log10ws | -4.87 | | Crippen Method |
| logp | 3.195 | | Crippen Method |
| mcvol | 197.040 | ml/mol | McGowan Method |
| rinpol | 1637.00 | | NIST Webbook |
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## Sources

**NIST Webbook:** http://webbook.nist.gov/cgi/cbook.cgi?ID=R580057&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

**log10ws:** Log10 of Water solubility in mol/l
**logp:** Octanol/Water partition coefficient
**mcvol:** McGowan's characteristic volume
**rinpol:** Non-polar retention indices

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