# pinacolyl methylphosphonofluoridate, diastereomer 1

**Inchi:** InChI=1S/C7H16FO2P/c1-6(7(2,3)4)10-11(5,8)9/h6H,1-5H3
**InchiKey:** GRXKLBBBQUKJJZ-UHFFFAOYSA-N
**Formula:** C7H16FO2P
**SMILES:** CC(OP(C)(=O)F)C(C)(C)C
**Mol. weight [g/mol]:** 182.17

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| log10ws | -3.84 | | Crippen Method |
| logp | 3.230 | | Crippen Method |
| mcvol | 143.460 | ml/mol | McGowan Method |
| rinpol | 1048.10 | | NIST Webbook |

## Sources

**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=R496145&Units=SI
**Crippen Method:** http://pubs.acs.org/doi/abs/10.1021/ci990307l

## Legend

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