# Cyclohexyl isopropylphosphonofluoridate

**Other names:** Cyclohexyl isopropylphosphonofluoridate
**Inchi:** InChI=1S/C9H18FO2P/c1-8(2)13(10,11)12-9-6-4-3-5-7-9/h8-9H,3-7H2,1-2H3
**InchiKey:** BSSKRMAEPPGXAO-UHFFFAOYSA-N
**Formula:** C9H18FO2P
**SMILES:** CC(C)P(=O)(F)OC1CCCCC1
**Mol. weight [g/mol]:** 208.21

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| logp | 3.907 | | Crippen Method |
| mcvol | 160.780 | ml/mol | McGowan Method |
| rinpol | 1357.00 | | NIST Webbook |
| rinpol | 1357.00 | | NIST Webbook |

## Sources

**NIST Webbook:** http://webbook.nist.gov/cgi/cbook.cgi?ID=C333416550&Units=SI
**McGowan Method:** http://link.springer.com/article/10.1007/BF02311772
**Crippen Method:** http://pubs.acs.org/doi/abs/10.1021/ci990307l
**Crippen Method:** https://www.chemeo.com/doc/models/crippen_log10ws
**Cheméo Relay (1.0):**
**Cheméo Relay (1.0, beta):**

## Legend

**logp:** Octanol/Water partition coefficient
**mcvol:** McGowan's characteristic volume
**rinpol:** Non-polar retention indices

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