

# 2-Furoic acid, anhydride with pentafluoropropionic acid

**Inchi:** InChI=1S/C8H3F5O4/c9-7(10,8(11,12)13)6(15)17-5(14)4-2-1-3-16-4/h1-3H  
**InchiKey:** XFRRXHGDZSGCFF-UHFFFAOYSA-N  
**Formula:** C8H3F5O4  
**SMILES:** O=C(OC(=O)C(F)(F)C(F)(F)F)c1ccco1  
**Mol. weight [g/mol]:** 258.10

## Physical Properties

| Property code | Value   | Unit   | Source         |
|---------------|---------|--------|----------------|
| log10ws       | -7.04   |        | Crippen Method |
| logp          | 2.161   |        | Crippen Method |
| mcvol         | 127.850 | ml/mol | McGowan Method |
| rinpola       | 970.00  |        | NIST Webbook   |
| rinpola       | 970.00  |        | NIST Webbook   |

## Sources

**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=U374901&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307l>  
**Crippen Method:** [https://www.cheméo.com/doc/models/crippen\\_log10ws](https://www.cheméo.com/doc/models/crippen_log10ws)

## Legend

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

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