

# 3-Furoic acid, anhydride with heptafluorobutyric acid

**Inchi:** InChI=1S/C9H3F7O4/c10-7(11,8(12,13)9(14,15)16)6(18)20-5(17)4-1-2-19-3-4/h1-3H  
**InchiKey:** IVMQMRGQOGJWDR-UHFFFAOYSA-N  
**Formula:** C9H3F7O4  
**SMILES:** O=C(OC(=O)C(F)(F)C(F)(F)C(F)(F)F)c1ccoc1  
**Mol. weight [g/mol]:** 308.11

## Physical Properties

Property code	Value	Unit	Source
log10ws	-7.77		Crippen Method
logp	2.796		Crippen Method
mcvol	145.480	ml/mol	McGowan Method
rinpola	966.00		NIST Webbook
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## Sources

**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=U374898&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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