

# Pentafluoropropionic acid, morpholide

**Inchi:** InChI=1S/C7H8F5NO2/c8-6(9,7(10,11)12)5(14)13-1-3-15-4-2-13/h1-4H2  
**InchiKey:** MCMFICISKZFNCY-UHFFFAOYSA-N  
**Formula:** C7H8F5NO2  
**SMILES:** O=C(N1CCOCC1)C(F)(F)C(F)(F)F  
**Mol. weight [g/mol]:** 233.14

## Physical Properties

Property code	Value	Unit	Source
log10ws	-1.06		Crippen Method
logp	1.043		Crippen Method
mcvol	124.900	ml/mol	McGowan Method

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](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=U307328&Units=SI>

## Legend

**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient  
**mcvol:** McGowan's characteristic volume

Latest version available from:

<https://www.chemeo.com/cid/62-228-0/Pentafluoropropionic-acid-morpholide.pdf>

Generated by Cheméo on 2024-04-25 19:03:19.794796397 +0000 UTC m=+16361048.715373714.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.