

# hydroxyproline, trifluoroacetyl-isopropyl ester

**Other names:** Hydroxyproline, N-trifluoroacetyl, 1-methylethyl ester  
**Inchi:** InChI=1S/C10H14F3NO4/c1-5(2)18-8(16)7-3-6(15)4-14(7)9(17)10(11,12)13/h5-7,15H,3-  
**InchiKey:** OGJAAWUKJRYTCF-UHFFFAOYSA-N  
**Formula:** C10H14F3NO4  
**SMILES:** CC(C)OC(=O)C1CC(O)CN1C(=O)C(F)(F)F  
**Mol. weight [g/mol]:** 269.22

## Physical Properties

Property code	Value	Unit	Source
log10ws	-1.37		Crippen Method
logp	0.462		Crippen Method
mcvol	171.070	ml/mol	McGowan Method
rinpol	1332.00		NIST Webbook
rinpol	1381.00		NIST Webbook
rinpol	1381.00		NIST Webbook
rinpol	1332.00		NIST Webbook

## Sources

**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=R84427&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

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