

# Val-Pro lactam

**Inchi:** InChI=1S/C13H18N2O4/c1-7(2)10-13(19)14-6-4-5-9(14)12(18)15(10)11(17)8(3)16/h7,9-  
**InchiKey:** FWPQHUKROPLSJL-UHFFFAOYSA-N  
**Formula:** C13H18N2O4  
**SMILES:** CC(=O)C(=O)N1C(=O)C2CCCN2C(=O)C1C(C)C  
**Mol. weight [g/mol]:** 266.29

## Physical Properties

Property code	Value	Unit	Source
log10ws	-0.78		Crippen Method
logp	-0.040		Crippen Method
mcvol	198.550	ml/mol	McGowan Method
rinpol	1810.00		NIST Webbook
rinpol	1810.00		NIST Webbook

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=R14537&Units=SI>  
**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>

## 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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