

# L-Valine, N-(2-furoyl)-, hexadecyl ester

**Inchi:** InChI=1S/C26H45NO4/c1-4-5-6-7-8-9-10-11-12-13-14-15-16-17-20-31-26(29)24(22(2)3)  
**InchiKey:** FTUZZILLZAHDTO-UHFFFAOYSA-N  
**Formula:** C26H45NO4  
**SMILES:** CCCCCCCCCCCCCCOC(=O)C(NC(=O)c1ccco1)C(C)C  
**Mol. weight [g/mol]:** 435.64

## Physical Properties

Property code	Value	Unit	Source
log10ws	-12.65		Crippen Method
logp	7.059		Crippen Method
mcvol	382.600	ml/mol	McGowan Method
rinsol	3119.00		NIST Webbook
rinsol	3119.00		NIST Webbook

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Crippen Method:** [https://www.cheméo.com/doc/models/crippen\\_log10ws](https://www.cheméo.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=U346700&Units=SI>

## Legend

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

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