

# Lovastatin, trimethylsilyl deriv.

**Inchi:** InChI=1S/C27H44O5Si/c1-8-18(3)27(29)31-24-14-17(2)13-20-10-9-19(4)23(26(20)24)12  
**InchiKey:** CZWIDMHJBWCSKO-UHFFFAOYSA-N  
**Formula:** C27H44O5Si  
**SMILES:** CCC(C)C(=O)OC1CC(C)C=C2C=CC(C)C(CCC3CC(O[Si](C)(C)C)CC(=O)O3)C21  
**Mol. weight [g/mol]:** 476.72

## Physical Properties

Property code	Value	Unit	Source
log10ws	-4.51		Crippen Method
logp	6.055		Crippen Method
rinpol	3053.00		NIST Webbook
rinpol	3053.00		NIST Webbook

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=U393997&Units=SI>  
**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)

## Legend

**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient  
**rinpol:** Non-polar retention indices

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