

# 5-O-Feruloylquinic acid, 5TMS

**Inchi:** InChI=1S/C32H60O9Si5/c1-35-26-21-24(17-19-25(26)37-42(2,3)4)18-20-29(33)36-27-22  
**InchiKey:** IXVPJAVYTLDRIA-CZIZESTLSA-N  
**Formula:** C32H60O9Si5  
**SMILES:** COc1cc(C=CC(=O)OC2CC(O[Si](C)(C)C)(C(=O)O[Si](C)(C)C)CC(O[Si](C)(C)C)C2O[Si](C)(C)C  
**Mol. weight [g/mol]:** 729.24

## Physical Properties

Property code	Value	Unit	Source
log10ws	2.67		Crippen Method
logp	8.036		Crippen Method
rinpol	3074.20		NIST Webbook
rinpol	3074.20		NIST Webbook

## 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)  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=U414043&Units=SI>

## Legend

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

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