

# Methylcitric acid, tetraTBDMS (1)

**Inchi:** InChI=1S/C31H66O7Si4/c1-23(25(33)36-40(16,17)28(5,6)7)31(38-42(20,21)30(11,12)13  
**InchiKey:** RGQSPHREDDNOIS-UHFFFAOYSA-N  
**Formula:** C31H66O7Si4  
**SMILES:** CC(C(=O)O[Si](C)(C)C(C)(C)C)C(CC(=O)O[Si](C)(C)C(C)(C)C)O[Si](C)(C)C(C)(C)C(=O)C  
**Mol. weight [g/mol]:** 663.19

## Physical Properties

Property code	Value	Unit	Source
log10ws	-0.55		Crippen Method
logp	9.418		Crippen Method
rinpol	2665.00		NIST Webbook
rinpol	2665.00		NIST Webbook

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=R277073&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)

## Legend

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

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