

# Methylcitric acid, tetrakis(trimethylsilyl) deriv.

**Inchi:** InChI=1S/C19H42O7Si4/c1-14(17(20)24-28(5,6)7)15(18(21)25-29(8,9)10)16(23-27(2,3)4)  
**InchiKey:** PJGUFNNMVFUWFQ-UHFFFAOYSA-N  
**Formula:** C19H42O7Si4  
**SMILES:** CC(C(=O)O[Si](C)(C)C)C(C(=O)O[Si](C)(C)C)C(O[Si](C)(C)C)C(=O)O[Si](C)(C)C  
**Mol. weight [g/mol]:** 494.87

## Physical Properties

Property code	Value	Unit	Source
log10ws	4.72		Crippen Method
logp	4.593		Crippen Method
rinpol	1866.00		NIST Webbook
rinpol	1866.00		NIST Webbook

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=U292703&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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