

# 2-C-Methylarabinonic acid, pentakis-TMS

**Inchi:** InChI=1S/C21H52O6Si5/c1-21(27-32(14,15)16,20(22)26-31(11,12)13)19(25-30(8,9)10)1  
**InchiKey:** SOYWKUNHUVGLPR-GZNCHQMDSA-N  
**Formula:** C<sub>21</sub>H<sub>52</sub>O<sub>6</sub>Si<sub>5</sub>  
**SMILES:** CC(O[Si](C)(C)C)(C(=O)O[Si](C)(C)C)C(O[Si](C)(C)C)C(CO[Si](C)(C)C)O[Si](C)(C)C  
**Mol. weight [g/mol]:** 541.06

## Physical Properties

| Property code | Value   | Unit | Source         |
|---------------|---------|------|----------------|
| log10ws       | 5.59    |      | Crippen Method |
| logp          | 6.266   |      | Crippen Method |
| rinpol        | 1876.00 |      | NIST Webbook   |

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=R100839&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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