

# D-(-)-Tagatofuranose, pentakis(trimethylsilyl) ether (isomer 2)

**Inchi:** InChI=1S/C21H52O6Si5/c1-28(2,3)22-16-18-19(25-30(7,8)9)20(26-31(10,11)12)21(24-15)23  
**InchiKey:** PLNWQGWZBNJIQM-UHFFFAOYSA-N  
**Formula:** C<sub>21</sub>H<sub>52</sub>O<sub>6</sub>Si<sub>5</sub>  
**SMILES:** C[Si](C)(C)OCC1OC(CO[Si](C)(C)C)(O[Si](C)(C)C)C(O[Si](C)(C)C)C1O[Si](C)(C)C  
**Mol. weight [g/mol]:** 541.06

## Physical Properties

Property code	Value	Unit	Source
log10ws	5.77		Crippen Method
logp	6.076		Crippen Method
rinpol	1813.10		NIST Webbook
rinpol	1813.10		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=U380126&Units=SI>

## Legend

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

Latest version available from:

<https://www.chemeo.com/cid/28-272-9/D-Tagatofuranose-pentakis-trimethylsilyl-ether-isomer-2.pdf>

Generated by Cheméo on 2024-04-25 16:25:04.307499442 +0000 UTC m=+16351553.228076805.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.