# «beta»-D-Xylopyranose, 1,2,3,4-tetrakis-O-(trimethylsilyl)-

**Other names:** Xylopyranose, 1,2,3,4-tetrakis-O-(trimethylsilyl)-, «beta»-D-
1,2,3,4-Tetrakis-O-(trimethylsilyl)-«beta»-D-xylopyranose
«beta»-D-Xylopyranose, tetrakis-TMS
«beta»-Xylose, (4TMS)
«beta»-Xylopyranose, tetrakis-TMS
D-Xylopyranose, tetrakis(trimethylsilyl) ether
B-Xylopyranose, TMS
«beta»-D-xylopyranose, TMS
D-(+)-Xylose, tetrakis(trimethylsilyl) ether
«beta»-Xylose, TMS
«BETA»-d-xylopyranose, 4tms derivative

**Inchi:** InChI=1S/C17H42O5Si4/c1-23(2,3)19-14-13-18-17(22-26(10,11)12)16(21-25(7,8)9)15(14

**InchiKey:** KEOUSSOURMHEKN-TWMKSMIVSA-N

**Formula:** C17H42O5Si4

**SMILES:** C[Si](C)(C)OC1COC(O[Si](C)(C)C)C(O[Si](C)(C)C)C1O[Si](C)(C)C

**Mol. weight [g/mol]:** 438.85

**CAS:** 18623-27-3

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| log10ws | 4.58 | | Crippen Method |
| logp | 4.854 | | Crippen Method |
| rinpol | 1782.00 | | NIST Webbook |
| rinpol | 1777.00 | | NIST Webbook |
| rinpol | 1777.00 | | NIST Webbook |
| ripol | 1736.00 | | NIST Webbook |
| ripol | 1736.00 | | NIST Webbook |

## Sources

**NIST Webbook:** http://webbook.nist.gov/cgi/cbook.cgi?ID=C18623273&Units=SI

**Crippen Method:** http://pubs.acs.org/doi/abs/10.1021/ci990307l

**Crippen Method:** 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 |
| **ripol:** | Polar retention indices |