

Xylulose tetrakis(trimethylsilyl)-

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|-----------------------------|---|
| Other names: | Xylose, tetrakis-TMS |
| Inchi: | InChI=1S/C17H42O5Si4/c1-23(2,3)19-13-15(18)17(22-26(10,11)12)16(21-25(7,8)9)14-20 |
| InchiKey: | XICOLDUAIFLSIU-IAGOWNOFSA-N |
| Formula: | C17H42O5Si4 |
| SMILES: | C[Si](C)(C)OCC(=O)C(O[Si](C)(C)C)C(CO[Si](C)(C)C)O[Si](C)(C)C |
| Mol. weight [g/mol]: | 438.85 |

Physical Properties

| Property code | Value | Unit | Source |
|---------------|---------|------|----------------|
| log10ws | 5.00 | | Crippen Method |
| logp | 4.699 | | Crippen Method |
| rinpola | 1738.00 | | NIST Webbook |
| rinpola | 1740.00 | | NIST Webbook |
| rinpola | 1740.00 | | NIST Webbook |

Sources

| | |
|------------------------|---|
| Crippen Method: | http://pubs.acs.org/doi/abs/10.1021/ci990307l |
| Crippen Method: | https://www.cheméo.com/doc/models/crippen_log10ws |
| NIST Webbook: | http://webbook.nist.gov/cgi/cbook.cgi?ID=U141494&Units=SI |

Legend

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

Latest version available from:

<https://www.cheméo.com/cid/79-682-8/Xylulose-tetrakis-trimethylsilyl.pdf>

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