

2-Deoxy-erythro-pentanic acid, TMS

Inchi: InChI=1S/C17H40O6Si4/c1-24(2,3)20-14(13-15(18)21-25(4,5)6)16(22-26(7,8)9)17(19)23
InchiKey: UMLJBUXQWLWNFR-GDBMZVCRSA-N
Formula: C17H40O6Si4
SMILES: C[Si](C)(C)OC(=O)CC(O[Si](C)(C)C)C(O[Si](C)(C)C)C(=O)O[Si](C)(C)C
Mol. weight [g/mol]: 452.84

Physical Properties

| Property code | Value | Unit | Source |
|---------------|---------|------|----------------|
| log10ws | 4.73 | | Crippen Method |
| logp | 4.573 | | Crippen Method |
| rinpol | 1720.00 | | NIST Webbook |

Sources

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=R100948&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/40-289-7/2-Deoxy-erythro-pentanic-acid-TMS.pdf>

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