

D(+)-Fucose, aldol, TMS

Inchi: InChI=1S/C18H44O5Si4/c1-15(20-24(2,3)4)17(22-26(8,9)10)18(23-27(11,12)13)16(14-19)21
InchiKey: HZBOSAPUGYAKKA-VSZNYVQBSA-N
Formula: C18H44O5Si4
SMILES: CC(O[Si](C)(C)C)C(O[Si](C)(C)C)C(O[Si](C)(C)C)C(C=O)O[Si](C)(C)C
Mol. weight [g/mol]: 452.88

Physical Properties

| Property code | Value | Unit | Source |
|---------------|---------|------|----------------|
| log10ws | 4.36 | | Crippen Method |
| logp | 5.086 | | Crippen Method |
| rinpol | 1740.00 | | NIST Webbook |
| rinpol | 1704.00 | | NIST Webbook |
| rinpol | 1700.00 | | NIST Webbook |
| rinpol | 1740.00 | | NIST Webbook |

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=R441160&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

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/70-651-1/D-Fucose-aldol-TMS.pdf>

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