

# D-(+)-Talofuranose, pentakis(trimethylsilyl) ether (isomer 1)

|                             |   |
|-----------------------------|---|
| <b>Inchi:</b>               | InChI=1S/C21H52O6Si5/c1-28(2,3)22-16-17(24-29(4,5)6)18-19(25-30(7,8)9)20(26-31(10 |
| <b>InchiKey:</b>            | ZIWXPOHHTJQHTN-UHFFFAOYSA-N   |
| <b>Formula:</b>             | C21H52O6Si5   |
| <b>SMILES:</b>              | C[Si](C)(C)OCC(O[Si](C)(C)C)C1OC(O[Si](C)(C)C)C(O[Si](C)(C)C)C1O[Si](C)(C)C       |
| <b>Mol. weight [g/mol]:</b> | 541.06  |

## Physical Properties

| Property code | Value   | Unit | Source         |
|---------------|---------|------|----------------|
| log10ws       | 5.66    |      | Crippen Method |
| logp          | 6.075   |      | Crippen Method |
| rinpol        | 1822.50 |      | NIST Webbook   |

## Sources

|                        |   |
|------------------------|---|
| <b>Crippen Method:</b> | <a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>                         |
| <b>NIST Webbook:</b>   | <a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=U380173&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U380173&amp;Units=SI</a> |
| <b>Crippen Method:</b> | <a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>                                 |

## Legend

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

Latest version available from:

<https://www.chemeo.com/cid/45-064-1/D-Talofuranose-pentakis-trimethylsilyl-ether-isomer-1.pdf>

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