

# A-Arabinofuranose, TMS

|                      |                                                                                   |
|----------------------|-----------------------------------------------------------------------------------|
| Other names:         | «alpha»-Arabinose, TMS                                                            |
| Inchi:               | InChI=1S/C17H42O5Si4/c1-23(2,3)18-13-14-15(20-24(4,5)6)16(21-25(7,8)9)17(19-14)22 |
| InchiKey:            | LDFPXMNJVPETIY-NXOAAHMSSA-N                                                       |
| Formula:             | C17H42O5Si4                                                                       |
| SMILES:              | C[Si](C)(C)OCC1OC(O[Si](C)(C)C)C(O[Si](C)(C)C)C1O[Si](C)(C)C                      |
| Mol. weight [g/mol]: | 438.85                                                                            |

## Physical Properties

| Property code | Value   | Unit | Source         |
|---------------|---------|------|----------------|
| log10ws       | 4.58    |      | Crippen Method |
| logp          | 4.854   |      | Crippen Method |
| rinpol        | 1596.00 |      | NIST Webbook   |
| rinpol        | 1596.00 |      | NIST Webbook   |
| rinpol        | 1633.00 |      | NIST Webbook   |
| ripol         | 1531.00 |      | NIST Webbook   |

## Sources

|                 |                                                                                                                                           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Crippen Method: | <a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</a>                                 |
| Crippen Method: | <a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>                         |
| NIST Webbook:   | <a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=R119472&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R119472&amp;Units=SI</a> |

## Legend

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

Latest version available from:

<https://www.chemeo.com/cid/66-490-5/A-Arabinofuranose-TMS.pdf>

Generated by Cheméo on 2025-12-23 00:48:59.719753427 +0000 UTC m=+6199137.249794094.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.