

# 2-[2-(2-Pentoxyethoxy)ethoxy]ethyl TMS ether

|                             |  |
|-----------------------------|--|
| <b>Other names:</b>         | Triethylene glycol, pentyl ether, TMS  |
| <b>Inchi:</b>               | InChI=1S/C14H32O4Si/c1-5-6-7-8-15-9-10-16-11-12-17-13-14-18-19(2,3)4/h5-14H2,1-4H1 |
| <b>InchiKey:</b>            | KDZJBPCAUAITIK-UHFFFAOYSA-N  |
| <b>Formula:</b>             | C14H32O4Si   |
| <b>SMILES:</b>              | CCCCOCCOCCOCCO[Si](C)(C)C  |
| <b>Mol. weight [g/mol]:</b> | 292.49   |

## Physical Properties

| Property code | Value   | Unit | Source         |
|---------------|---------|------|----------------|
| log10ws       | -0.08   |      | Crippen Method |
| logp          | 3.078   |      | Crippen Method |
| rinsol        | 1710.90 |      | NIST Webbook   |
| rinsol        | 1710.90 |      | NIST Webbook   |

## Sources

|                        |   |
|------------------------|---|
| <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>                                 |
| <b>Crippen Method:</b> | <a href="https://www.cheméo.com/doc/models/crippen_log10ws">https://www.cheméo.com/doc/models/crippen_log10ws</a>                         |
| <b>NIST Webbook:</b>   | <a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=R188666&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R188666&amp;Units=SI</a> |

## Legend

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

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