

# 2-(2-(2-(2-Pentoxy-ethoxy)-ethoxy)-ethoxy)-ethoxy-TMS ether

|                      |  |
|----------------------|--|
| Other names:         | Pentaethylene glycol, pentyl ether, TMS  |
| Inchi:               | InChI=1S/C18H40O6Si/c1-5-6-7-8-19-9-10-20-11-12-21-13-14-22-15-16-23-17-18-24-25 |
| InchiKey:            | HUUVLHSLTDSXRI-UHFFFAOYSA-N  |
| Formula:             | C18H40O6Si   |
| SMILES:              | CCCCOCCOCCOCCOCCOCCO[Si](C)(C)C  |
| Mol. weight [g/mol]: | 380.59   |

## Physical Properties

| Property code | Value   | Unit | Source         |
|---------------|---------|------|----------------|
| log10ws       | 0.07    |      | Crippen Method |
| logp          | 3.111   |      | Crippen Method |
| rinpol        | 2257.20 |      | NIST Webbook   |

## Sources

|                 |   |
|-----------------|---|
| NIST Webbook:   | <a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=R188364&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R188364&amp;Units=SI</a> |
| 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.cheméo.com/doc/models/crippen_log10ws">https://www.cheméo.com/doc/models/crippen_log10ws</a>                         |

## Legend

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

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