

# Silane, trimethyl(1-methylpropoxy)-

|                      |                                                                                                                           |
|----------------------|---------------------------------------------------------------------------------------------------------------------------|
| Other names:         | Silane, sec-butoxytrimethyl-<br>sec-Butoxytrimethylsilane<br>2-Butanol, trimethylsilyl ether<br>2-Butanol, tms derivative |
| Inchi:               | InChI=1S/C7H18OSi/c1-6-7(2)8-9(3,4)5/h7H,6H2,1-5H3                                                                        |
| InchiKey:            | NPVKWWQBIVSLRO-UHFFFAOYSA-N                                                                                               |
| Formula:             | C7H18OSi                                                                                                                  |
| SMILES:              | CCC(C)O[Si](C)(C)C                                                                                                        |
| Mol. weight [g/mol]: | 146.30                                                                                                                    |
| CAS:                 | 1825-66-7                                                                                                                 |

## Physical Properties

| Property code | Value     | Unit | Source         |
|---------------|-----------|------|----------------|
| log10ws       | -2.59e-03 |      | Crippen Method |
| logp          | 2.636     |      | Crippen Method |
| rinpol        | 745.30    |      | NIST Webbook   |
| rinpol        | 745.30    |      | 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=C1825667&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C1825667&amp;Units=SI</a> |

## Legend

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

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