

# 2,4-Cyclopentadien-1-yltrimethylsilane

|                             |   |
|-----------------------------|---|
| <b>Other names:</b>         | 5-Trimethylsilylcyclopentadiene<br>Silane, 2,4-cyclopentadien-1-yltrimethyl-<br>5-(Trimethylsilyl)-1,3-cyclopentadiene<br>1-Trimethylsilyl-2,4-cyclopentadiene<br>Cyclopenta-2,4-dienyl-trimethyl-silane<br>1,3-Cyclopentadiene, 5-(trimethylsilyl)-<br>5-(Trimethylsilyl)-1,3-cyclopentadien |
| <b>Inchi:</b>               | InChI=1S/C8H14Si/c1-9(2,3)8-6-4-5-7-8/h4-8H,1-3H3   |
| <b>InchiKey:</b>            | VMFHCJPMKUTMMQ-UHFFFAOYSA-N   |
| <b>Formula:</b>             | C8H14Si   |
| <b>SMILES:</b>              | C[Si](C)(C)C1C=CC=C1  |
| <b>Mol. weight [g/mol]:</b> | 138.28  |
| <b>CAS:</b>                 | 3559-74-8   |

## Physical Properties

| Property code | Value | Unit | Source         |
|---------------|-------|------|----------------|
| ie            | 8.30  | eV   | NIST Webbook   |
| log10ws       | -0.24 |      | Crippen Method |
| logp          | 2.821 |      | Crippen Method |

## Sources

|                        |   |
|------------------------|---|
| <b>NIST Webbook:</b>   | <a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C3559748&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C3559748&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>                                   |
| <b>Crippen Method:</b> | <a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>                           |

## Legend

|                 |                                     |
|-----------------|-------------------------------------|
| <b>ie:</b>      | Ionization energy                   |
| <b>log10ws:</b> | Log10 of Water solubility in mol/l  |
| <b>logp:</b>    | Octanol/Water partition coefficient |

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