

# Tris(trimethylsilyl)ethylene

|                      |                                                                               |
|----------------------|-------------------------------------------------------------------------------|
| Other names:         | [2,2-Bis(trimethylsilyl)vinyl](trimethyl)silane<br>Tris(trimethylsilyl)ethene |
| Inchi:               | InChI=1S/C11H28Si3/c1-12(2,3)10-11(13(4,5)6)14(7,8)9/h10H,1-9H3               |
| InchiKey:            | CUFNUQSBSOKXJH-UHFFFAOYSA-N                                                   |
| Formula:             | C11H28Si3                                                                     |
| SMILES:              | C[Si](C)(C)C=C([Si](C)(C)C)[Si](C)(C)C                                        |
| Mol. weight [g/mol]: | 244.60                                                                        |
| CAS:                 | 18938-24-4                                                                    |

## Physical Properties

| Property code | Value       | Unit | Source         |
|---------------|-------------|------|----------------|
| ie            | 8.85 ± 0.04 | eV   | NIST Webbook   |
| log10ws       | 3.05        |      | Crippen Method |
| logp          | 4.545       |      | Crippen Method |

## Sources

|                 |                                                                                                                                               |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| 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=C18938244&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C18938244&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>                                     |

## Legend

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

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<https://www.chemeo.com/cid/33-390-2/Tris-trimethylsilyl-ethylene.pdf>

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