

Silane, trimethyl-2-propynyl-

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|-----------------------------|---|
| Other names: | 2-Propynyltrimethylsilane trimethyl-2-propynylsilane |
| Inchi: | InChI=1S/C6H12Si/c1-5-6-7(2,3)4/h1H,6H2,2-4H3 |
| InchiKey: | ULYLMHUHFUQKOE-UHFFFAOYSA-N |
| Formula: | C6H12Si |
| SMILES: | C#CC[Si](C)(C)C |
| Mol. weight [g/mol]: | 112.25 |
| CAS: | 13361-64-3 |

Physical Properties

| Property code | Value | Unit | Source |
|---------------|-------------|------|----------------|
| ie | 9.04 ± 0.04 | eV | NIST Webbook |
| log10ws | 0.40 | | Crippen Method |
| logp | 1.958 | | Crippen Method |
| rinpol | 676.00 | | NIST Webbook |
| rinpol | 676.00 | | NIST Webbook |

Sources

| | |
|------------------------|---|
| Crippen Method: | http://pubs.acs.org/doi/abs/10.1021/ci9903071 |
| Crippen Method: | https://www.chemeo.com/doc/models/crippen_log10ws |
| NIST Webbook: | http://webbook.nist.gov/cgi/cbook.cgi?ID=C13361643&Units=SI |

Legend

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

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<https://www.cheméo.com/cid/20-343-8/Silane-trimethyl-2-propynyl.pdf>

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