

Silane, ethyltrimethyl-

Other names: Ethyltrimethylsilane
Trimethylethylsilane
(CH₃)₃SiC₂H₅

Inchi: InChI=1S/C₅H₁₄Si/c1-5-6(2,3)4/h5H₂,1-4H₃

InchiKey: UKAJDOBPPPOAZSS-UHFFFAOYSA-N

Formula: C₅H₁₄Si

SMILES: CC[Si](C)(C)C

Mol. weight [g/mol]: 102.25

CAS: 3439-38-1

Physical Properties

| Property code | Value | Unit | Source |
|---------------|-------------|------|----------------|
| ie | 9.60 | eV | NIST Webbook |
| ie | 9.70 ± 0.01 | eV | NIST Webbook |
| log10ws | 0.62 | | Crippen Method |
| logp | 2.345 | | Crippen Method |
| rinpol | 571.00 | | NIST Webbook |
| rinpol | 550.00 | | NIST Webbook |
| rinpol | 550.00 | | NIST Webbook |
| rinpol | 550.00 | | NIST Webbook |
| rinpol | 571.00 | | NIST Webbook |
| rinpol | 573.00 | | NIST Webbook |
| rinpol | 573.00 | | NIST Webbook |

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C3439381&Units=SI>

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Legend

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

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<https://www.cheméo.com/cid/72-986-8/Silane-ethyltrimethyl.pdf>

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