

# Silane, ethyl-

|                      |                                          |
|----------------------|------------------------------------------|
| Other names:         | Ethylsilane<br>1-Silapropane<br>C2H5SiH3 |
| Inchi:               | InChI=1S/C2H8Si/c1-2-3/h2H2,1,3H3        |
| InchiKey:            | KCWYOFZQRFCIE-UHFFFAOYSA-N               |
| Formula:             | C2H8Si                                   |
| SMILES:              | CC[SiH3]                                 |
| Mol. weight [g/mol]: | 60.17                                    |
| CAS:                 | 2814-79-1                                |

## Physical Properties

| Property code | Value        | Unit | Source         |
|---------------|--------------|------|----------------|
| ie            | 10.18 ± 0.05 | eV   | NIST Webbook   |
| log10ws       | 2.53         |      | Crippen Method |
| logp          | -0.210       |      | Crippen Method |

## 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=C2814791&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C2814791&amp;Units=SI</a> |

## Legend

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

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