

Stannane, ethyltrimethyl-

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|-----------------------------|---|
| Other names: | Ethyltrimethyltin Ethyltrimethylstannane Trimethylethyltin (CH ₃) ₃ SnC ₂ H ₅ |
| Inchi: | InChI=1S/C2H5.3CH3.Sn/c1-2;;;;/h1H2,2H3;3*1H3; |
| InchiKey: | VDYIOWXZMKNKCHN-UHFFFAOYSA-N |
| Formula: | C ₅ H ₁₄ Sn |
| SMILES: | CC[Sn](C)(C)C |
| Mol. weight [g/mol]: | 192.88 |
| CAS: | 3531-44-0 |

Physical Properties

| Property code | Value | Unit | Source |
|---------------|------------------|--------|--------------|
| chl | -4482.00 ± 2.30 | kJ/mol | NIST Webbook |
| chl | -4326.00 ± 21.00 | kJ/mol | NIST Webbook |
| hf | -182.00 ± 21.00 | kJ/mol | NIST Webbook |
| hf | -26.30 ± 2.90 | kJ/mol | NIST Webbook |
| hfl | -220.00 ± 21.00 | kJ/mol | NIST Webbook |
| hfl | -64.00 ± 2.40 | kJ/mol | NIST Webbook |
| hvap | 37.70 ± 1.70 | kJ/mol | NIST Webbook |
| ie | 9.10 | eV | NIST Webbook |
| ie | 9.10 | eV | NIST Webbook |
| rinpol | 713.00 | | NIST Webbook |
| rinpol | 713.00 | | NIST Webbook |
| rinpol | 714.00 | | NIST Webbook |
| rinpol | 728.00 | | NIST Webbook |
| rinpol | 714.00 | | NIST Webbook |

Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---------------|-------|--------|-----------------|--------------|
| hvapt | 38.40 | kJ/mol | 312.00 | NIST Webbook |
| hvapt | 37.00 | kJ/mol | 304.50 | NIST Webbook |
| hvapt | 34.90 | kJ/mol | 360.00 | NIST Webbook |

Sources

NIST Webbook:

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C3531440&Units=SI>

Legend

| | |
|----------------|---|
| chl: | Standard liquid enthalpy of combustion |
| hf: | Enthalpy of formation at standard conditions |
| hfl: | Liquid phase enthalpy of formation at standard conditions |
| hvac: | Enthalpy of vaporization at standard conditions |
| hvapt: | Enthalpy of vaporization at a given temperature |
| ie: | Ionization energy |
| rinpol: | Non-polar retention indices |

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<https://www.chemeo.com/cid/29-071-1/Stannane-ethyltrimethyl.pdf>

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