

# L-Methionine, trimethylsilyl ester

|                      |                                                                       |
|----------------------|-----------------------------------------------------------------------|
| Other names:         | L-methionine, tms derivative                                          |
| Inchi:               | InChI=1S/C8H19NO2SSi/c1-12-6-5-7(9)8(10)11-13(2,3)4/h7H,5-6,9H2,1-4H3 |
| InchiKey:            | DJSOWYSMQHQIEA-UHFFFAOYSA-N                                           |
| Formula:             | C8H19NO2SSi                                                           |
| SMILES:              | CSCCC(N)C(=O)O[Si](C)(C)C                                             |
| Mol. weight [g/mol]: | 221.40                                                                |

## Physical Properties

| Property code | Value   | Unit   | Source             |
|---------------|---------|--------|--------------------|
| hf            | -587.93 | kJ/mol | Cheméo Relay (1.0) |
| ie            | 8.59    | eV     | Cheméo Relay (1.0) |
| logp          | 1.445   |        | Crippen Method     |
| rinpol        | 1420.00 |        | NIST Webbook       |
| rinpol        | 1411.40 |        | NIST Webbook       |
| rinpol        | 1411.40 |        | NIST Webbook       |

## Sources

Cheméo Relay (1.0):

Cheméo Relay (1.0, beta):

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=U333294&Units=SI>

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307l>

Crippen Method: [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)

## Legend

|         |                                              |
|---------|----------------------------------------------|
| hf:     | Enthalpy of formation at standard conditions |
| ie:     | Ionization energy                            |
| logp:   | Octanol/Water partition coefficient          |
| rinpol: | Non-polar retention indices                  |

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<https://www.cheméo.com/cid/49-947-7/L-Methionine-trimethylsilyl-ester.pdf>

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