

# N-(Trimethylsilyl)acetamide

|                      |                                                                     |
|----------------------|---------------------------------------------------------------------|
| Other names:         | Trimethylsilylacetamide<br>Acetamide, N-(trimethylsilyl)-<br>CT3250 |
| Inchi:               | InChI=1S/C5H13NOSi/c1-5(7)6-8(2,3)4/h1-4H3,(H,6,7)                  |
| InchiKey:            | LWFWUJCJKPUZLV-UHFFFAOYSA-N                                         |
| Formula:             | C5H13NOSi                                                           |
| SMILES:              | CC(=O)N[Si](C)(C)C                                                  |
| Mol. weight [g/mol]: | 131.25                                                              |
| CAS:                 | 13435-12-6                                                          |

## Physical Properties

| Property code | Value         | Unit | Source         |
|---------------|---------------|------|----------------|
| log10ws       | 1.07          |      | Crippen Method |
| logp          | 0.957         |      | Crippen Method |
| tb            | 458.50 ± 0.50 | K    | NIST Webbook   |

## 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=C13435126&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C13435126&amp;Units=SI</a> |

## Legend

|          |                                     |
|----------|-------------------------------------|
| log10ws: | Log10 of Water solubility in mol/l  |
| logp:    | Octanol/Water partition coefficient |
| tb:      | Normal Boiling Point Temperature    |

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