# N,N-Diethylaminotrimethylsilane

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|---|---|
| **Other names:** | N,N-Diethylaminotrimethylsilane |
| | (CH3)3SiN(C2H5)2 |
| | N-Trimethylsilyldiethylamine |
| | N,N-Diethyl-trimethylsilylamine |
| | Trimethyl-N,N-diethylaminosilane |
| | Diethylaminotrimethylsilane |
| | Silanamine, N,N-diethyl-1,1,1-trimethyl- |
| | CD4450 |
| | TMSDEA |
| | Trimethylsilyldiethylamine |
| | Trimethylsilyl-diethylamin |
| | NSC 377650 |
| **Inchi:** | InChI=1S/C7H19NSi/c1-6-8(7-2)9(3,4)5/h6-7H2,1-5H3 |
| **InchiKey:** | JOOMLFKONHCLCJ-UHFFFAOYSA-N |
| **Formula:** | C7H19NSi |
| **SMILES:** | CCN(CC)[Si](C)(C)C |
| **Mol. weight [g/mol]:** | 145.32 |

# Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| hvap | 37.32 | kJ/mol | Cheméo Relay (1.0) |
| ie | 7.99 | eV | Cheméo Relay (1.0) |
| logp | 2.163 | | Crippen Method |
| tb | 398.69 | K | Cheméo Relay (1.0) |

# Sources

**Cheméo Relay (1.0, beta):**

**NIST Webbook:** http://webbook.nist.gov/cgi/cbook.cgi?ID=C996509&Units=SI

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

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

**Cheméo Relay (1.0):**

# Legend

| | |
|---|---|
| **hvap:** | Enthalpy of vaporization at standard conditions |
| **ie:** | Ionization energy |
| **logp:** | Octanol/Water partition coefficient |
| **tb:** | Normal Boiling Point Temperature |