# N-Trimethylsilylaniline

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|---|---|
| **Other names:** | 1,1,1-Trimethyl-N-phenylsilamine |
| | 1,1,1-trimethyl-N-phenylsilanamine |
| | Aniline, tms derivative |
| | Anilinotrimethylsilane |
| | N-(trimethylsilyl)aniline |
| | N-Phenyltrimethylsilylamine |
| | Silanamine, 1,1,1-trimethyl-N-phenyl- |
| | Silylamine, 1,1,1-trimethyl-N-phenyl- |
| | phenyl(trimethylsilyl)amine |
| | trimethyl(phenylamino)silane |
| | trimethyl-N-phenylsilylamine |
| **Inchi:** | InChI=1S/C9H15NSi/c1-11(2,3)10-9-7-5-4-6-8-9/h4-8,10H,1-3H3 |
| **InchiKey:** | IPJPAQIHUIKFLV-UHFFFAOYSA-N |
| **Formula:** | C9H15NSi |
| **SMILES:** | C[Si](C)(C)Nc1ccccc1 |
| **Mol. weight [g/mol]:** | 165.31 |
| **CAS:** | 3768-55-6 |

# Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| log10ws | -0.37 | | Crippen Method |
| logp | 2.933 | | Crippen Method |
| rinpol | 1186.00 | | NIST Webbook |
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# Pressure Dependent Properties

| Property code | Value | Unit | Pressure [kPa] | Source |
|---|---|---|---|---|
| tbp | 329.15 | K | 0.40 | Synthesis and characterization of organosilicon compounds as novel precursors for CVD processes |

# Sources

| | |
|---|---|
| **Crippen Method:** | https://www.chemeo.com/doc/models/crippen_log10ws |
| **Synthesis and characterization of organosilicon compounds as novel precursors for CVD processes:** | https://www.doi.org/10.1016/j.tca.2015.02.004 |
| **NIST Webbook:** | http://webbook.nist.gov/cgi/cbook.cgi?ID=C3768556&Units=SI |
| **Crippen Method:** | http://pubs.acs.org/doi/abs/10.1021/ci990307l |

# Legend

| | |
|---|---|
| **log10ws:** | Log10 of Water solubility in mol/l |
| **logp:** | Octanol/Water partition coefficient |
| **rinpol:** | Non-polar retention indices |
| **tbp:** | Boiling point at given pressure |

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