

# Pyridine, 2-methyl-3-(trimethylsilyloxy)-4,5-bis-[(trimethylsilyloxy)methyl]

Other names:

Pyridoxine-triTMS  
Vitamin B6, tris(trimethylsilyl)-  
Pyridoxine (3TMS)-  
2-Methyl-3-[(trimethylsilyl)oxy]-4,5-bis([(trimethylsilyl)oxy)methyl]pyridine  
Pyridoxine, tris(trimethylsilyl) ether  
Pyridoxine, TMS  
Pyridoxine, 3tms derivative

**Inchi:** InChI=1S/C17H35NO3Si3/c1-14-17(21-24(8,9)10)16(13-20-23(5,6)7)15(11-18-14)12-19-

**InchiKey:** SMDRDHCUJYPMJH-UHFFFAOYSA-N

**Formula:** C17H35NO3Si3

**SMILES:** Cc1ncc(CO[Si](C)(C)C)c(CO[Si](C)(C)C)c1O[Si](C)(C)C

**Mol. weight [g/mol]:** 385.72

**CAS:** 14857-17-1

## Physical Properties

| Property code | Value   | Unit | Source         |
|---------------|---------|------|----------------|
| log10ws       | 0.73    |      | Crippen Method |
| logp          | 5.307   |      | Crippen Method |
| rinpol        | 1908.00 |      | NIST Webbook   |
| rinpol        | 1879.30 |      | NIST Webbook   |
| rinpol        | 1921.00 |      | NIST Webbook   |

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C14857171&Units=SI>

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

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

## Legend

**log10ws:** Log10 of Water solubility in mol/l

**logp:** Octanol/Water partition coefficient

**rinpol:** Non-polar retention indices

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