# 2,8,9-Trioxa-5-aza-1-silabicyclo(3.3.3)undecane, 1-methoxy-

**Other names:** 1-Methoxysilatrane
1-Methoxy-2,8,9-trioxa-5-aza-1-silabicyclo(3.3.3)undecane
Silatrane, methoxy-

**Inchi:** InChI=1S/C7H15NO4Si/c1-9-13-10-5-2-8(3-6-11-13)4-7-12-13/h2-7H2,1H3

**InchiKey:** JHUCBAOHJYDAIC-UHFFFAOYSA-N

**Formula:** C7H15NO4Si

**SMILES:** CO[Si]12OCCN(CCO1)CCO2

**Mol. weight [g/mol]:** 205.28

**CAS:** 4025-80-3

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| log10ws | 2.74 | | Crippen Method |
| logp | -0.553 | | Crippen Method |
| rinpol | 1603.00 | | NIST Webbook |
| rinpol | 1603.00 | | NIST Webbook |
| ripol | 2883.00 | | NIST Webbook |
| ripol | 2883.00 | | NIST Webbook |

## Sources

**NIST Webbook:** http://webbook.nist.gov/cgi/cbook.cgi?ID=C4025803&Units=SI

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

**Crippen Method:** 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

**ripol:** Polar retention indices