

# Ribonic acid, 2,3,4,5-tetrakis-O-(trimethylsilyl)-, trimethylsilyl ester

Other names: Ribonic acid, pentakis-TMS  
Ribonic acid, 2,3,4,5-tetrakis-O-TMS-, TMS ester

**Inchi:** InChI=1S/C20H50O6Si5/c1-27(2,3)22-16-17(23-28(4,5)6)18(24-29(7,8)9)19(25-30(10,11)26)31-32-33-34-35

**InchiKey:** HUHNYCQTXQUQCH-GUDVDZBRSA-N

**Formula:** C20H50O6Si5

**SMILES:** C[Si](C)(C)OCC(O[Si](C)(C)C)C(O[Si](C)(C)C)C(O[Si](C)(C)C)C(=O)O[Si](C)(C)C

**Mol. weight [g/mol]:** 527.03

**CAS:** 57197-35-0

## Physical Properties

Property code	Value	Unit	Source
log10ws	6.00		Crippen Method
logp	5.876		Crippen Method
rinpol	1823.00		NIST Webbook
rinpol	1799.00		NIST Webbook
rinpol	1799.00		NIST Webbook
rinpol	1823.00		NIST Webbook

## Sources

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

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

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C57197350&Units=SI>

## Legend

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

**logp:** Octanol/Water partition coefficient

**rinpol:** Non-polar retention indices

Latest version available from:

<https://www.cheméo.com/cid/51-595-5/Ribonic-acid-2-3-4-5-tetrakis-O-trimethylsilyl-trimethylsilyl-ester.pdf>

Generated by Cheméo on 2024-04-23 11:16:00.385589751 +0000 UTC m=+16160209.306167062.

Cheméo (<https://www.cheméo.com>) is the biggest free database of chemical and physical data for the process industry.