# 9H-Purine, 9-[2,3-bis-O-(trimethylsilyl)-«beta»-D-ribofuranosyl-5'-[bis(trimethylsilyl) phospate]

**Other names:** guanosine-5'-monophosphate, TMS

**Inchi:** InChI=1S/C28H62N5O8PSi6/c1-43(2,3)32-23-30-25-22(26(31-28)39-46(10,11)12)29-20-

**InchiKey:** RIYJILQGBFVECR-YQNORIIPSA-N

**Formula:** C28H62N5O8PSi6

**SMILES:** C[Si](C)(C)Nc1nc(O[Si](C)(C)C)c2ncn(C3OC(COP(=O)(O[Si](C)(C)C)O[Si](C)(C)C)C(O[S

**Mol. weight [g/mol]:** 796.31

**CAS:** 32653-15-9

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| logp | 8.452 | | Crippen Method |
| rinpol | 3179.00 | | NIST Webbook |
| rinpol | 3179.00 | | NIST Webbook |

## Sources

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

**Cheméo Relay (1.0):**

**Cheméo Relay (1.0, beta):**

**NIST Webbook:** http://webbook.nist.gov/cgi/cbook.cgi?ID=C32653159&Units=SI

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

## Legend

**logp:** Octanol/Water partition coefficient

**rinpol:** Non-polar retention indices