

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

Other names: guanosine 5'-nonaphosphate, TMS
Inchi: InChI=1S/C28H62N5O8PSi6/c1-43(2,3)32-28-30-25-22(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[Si](C)(C)C)C3)nc1
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

Latest version available from:

<https://www.chemeo.com/cid/113-932-1/9H-Purine-9-2-3-bis-O-trimethylsilyl-beta-D-ribofuranosyl-6-trimethylsiloxy-2->

Generated by Cheméo on 2026-09-06 19:02:33.416785474 +0000 UTC m=+1525692.083004915.

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