

«alpha»-D-Glucopyranose, 2,3,4,6-tetrakis-O-(trimethylsilyl)-, bis(trimethylsilyl) phosphate

Other names:

2-Glucopyranose phosphate, TMS

InChI: InChI=1S/C24H61O9PSi6/S1-35(2,3)26-19-20-21(29-36(4,5)6)22(30-37(7,8)9)23(31-38(10)11)24

InchiKey: ADQOIWLAUVHGNY-GNADVCDUSA-N

Formula: C₂₄H₆₁O₉PSi₆

SMILES: C[Si](C)(C)OCC1OC(OP(=O)(O[Si](C)(C)C)O[Si](C)(C)C)C(O[Si](C)(C)C)C(O[Si](C)(C)C)C

Mol. weight [g/mol]: 693.22

CAS: 55520-79-1

Physical Properties

Property code	Value	Unit	Source
log10ws	4.91		Crippen Method
logp	8.051		Crippen Method
rinpol	2260.00		NIST Webbook
rinpol	2260.00		NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C55520791&Units=SI>

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

Crippen Method: https://www.cheméo.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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