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

Other names:	2-Glucopyranose phosphate, TMS
Inchi:	InChI=1S/C24H61O9PSi6/c1-35(2,3)26-19-20-21(29-36(4,5)6)22(30-37(7,8)9)23(31-38(1
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
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

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C55520791&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.chemeo.com/cid/121-580-3/alpha-D-Glucopyranose-2-3-4-6-tetrakis-O-trimethylsilyl-bis-trimethylsilyl-pho
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