

D-Ribose, 2,3,4-tris-O-(trimethylsilyl)-, O-methyloxime, 5-[bis(trimethylsilyl)phosphate]

Other names:	RIBOSE-5-PHOSPHATE MEOX 5TMS
Inchi:	InChI=1S/C21H54NO8PSi5/c1-24-22-17-19(26-32(2,3)4)21(28-34(8,9)10)20(27-33(5,6)7
InchiKey:	WTKRVTNJHQUGHW-UHFFFAOYSA-N
Formula:	C21H54NO8PSi5
SMILES:	CON=CC(O[Si](C)(C)C)C(O[Si](C)(C)C)C(COP(=O)(O[Si](C)(C)C)O[Si](C)(C)C)O[Si](C)(C)C
Mol. weight [g/mol]:	620.06
CAS:	55319-74-9

Physical Properties

Property code	Value	Unit	Source
log10ws	3.77		Crippen Method
logp	7.107		Crippen Method
rinpol	2198.00		NIST Webbook
rinpol	2198.00		NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C55319749&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.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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<https://www.chemeo.com/cid/72-510-5/D-Ribose-2-3-4-tris-O-trimethylsilyl-O-methyloxime-5-bis-trimethylsilyl-phosph>

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