«alpha»-D-Xylopyranose, 1,2,3,4-tetrakis-O-(trimethylsilyl)-

Other names: Xylopyranose, 1,2,3,4-tetrakis-O-(trimethylsilyl)-, «alpha»-D-
1,2,3,4-Tetrakis-O-(trimethylsilyl)xylopyranose, «alpha»-D-
«alpha»-D(+)-Xylose, pyranose, tetrakis-TMS
«alpha»-D-xylopyranose, (4TMS)
A-Xylopyranose, TMS
«alpha»-Xylose, TMS
«alpha»-D-(+)-Xylopyranose, tetrakis(trimethylsilyl) ether
«alpha»-D-xylopyranose, TMS
«alpha»-D(+)-Xylose, pyranose, TMS
«ALPHA»-d-xylopyranose, 4tms derivative

Inchi: InChI=1S/C17H42O5Si4/c1-23(2,3)19-14-13-18-17(22-26(10,11)12)16(21-25(7,8)9)15(14

InchiKey: KEOUSSOURMHEKN-YYIAUSFCSA-N

Formula: C17H42O5Si4

SMILES: C[Si](C)(C)OC1COC(O[Si](C)(C)C)C(O[Si](C)(C)C)C1O[Si](C)(C)C

Mol. weight [g/mol]: 438.85

CAS: 14251-20-8

Physical Properties

Property code	Value	Unit	Source
log10ws	4.58		Crippen Method
logp	4.854		Crippen Method
rinpol	1762.00		NIST Webbook
rinpol	1729.00		NIST Webbook
rinpol	1734.00		NIST Webbook
rinpol	1703.70		NIST Webbook
rinpol	1762.00		NIST Webbook
rinpol	1762.00		NIST Webbook
ripol	1630.00		NIST Webbook

Sources

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

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C14251208&Units=SI

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

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
rinpol:	Non-polar retention indices
ripol:	Polar retention indices