

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

Other names:

Xylopyranose, 1,2,3,4-tetrakis-O-(trimethylsilyl)-, «beta»-D-
1,2,3,4-Tetrakis-O-(trimethylsilyl)-«beta»-D-xylopyranose
«beta»-D-Xylopyranose, tetrakis-TMS
«beta»-Xylose, (4TMS)
«beta»-Xylopyranose, tetrakis-TMS
D-Xylopyranose, tetrakis(trimethylsilyl) ether
B-Xylopyranose, TMS
«beta»-D-xylopyranose, TMS
D-(+)-Xylose, tetrakis(trimethylsilyl) ether
«beta»-Xylose, TMS
«BETA»-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-TWMKSMIVSA-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: 18623-27-3

Physical Properties

Property code	Value	Unit	Source
log10ws	4.58		Crippen Method
logp	4.854		Crippen Method
rinpol	1782.00		NIST Webbook
rinpol	1777.00		NIST Webbook
rinpol	1777.00		NIST Webbook
ripol	1736.00		NIST Webbook
ripol	1736.00		NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C18623273&Units=SI>

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

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
ripol:	Polar retention indices

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