

Erythro-Pentonic acid, 2-deoxy-3,4,5-tris-O-(trimethylsilyl)-, trimethylsilyl ester

Other names: Trimethylsilyl 2-deoxy-3,4,5-tris-O-(trimethylsilyl)-erythro-pentionate
2-Deoxy-erythro-pentonic acid, tetrakis-TMS

Inchi: InChI=1S/C17H42O5Si4/c1-23(2,3)19-14-16(21-25(7,8)9)15(20-24(4,5)6)13-17(18)22-26
InchiKey: YBBDPOSMYVZLKS-CVEARBPZSA-N
Formula: C17H42O5Si4
SMILES: C[Si](C)(C)OCC(O[Si](C)(C)C)C(CC(=O)O[Si](C)(C)C)O[Si](C)(C)C
Mol. weight [g/mol]: 438.85
CAS: 74742-30-6

Physical Properties

Property code	Value	Unit	Source
log10ws	4.51		Crippen Method
logp	5.046		Crippen Method
rinpol	1698.00		NIST Webbook
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Sources

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C74742306&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/39-543-6/Erythro-Pentonic-acid-2-deoxy-3-4-5-tris-O-trimethylsilyl-trimethylsilyl-ester.p>

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