

3-Deoxy-2-C-hydroxymethyl-threo-pentonic acid, pentakis-TMS

Inchi: InChI=1S/C21H52O6Si5/c1-28(2,3)23-17-19(25-30(7,8)9)16-21(27-32(13,14)15,18-24-29)
InchiKey: COPXMBFDIHFMMGG-QWAKEFERSA-N
Formula: C₂₁H₅₂O₆Si₅
SMILES: C[Si](C)(C)OCC(CC(CO[Si](C)(C)C)(O[Si](C)(C)C)C(=O)O[Si](C)(C)C)O[Si](C)(C)C
Mol. weight [g/mol]: 541.06

Physical Properties

Property code	Value	Unit	Source
log10ws	5.70		Crippen Method
logp	6.268		Crippen Method
rinpol	1919.00		NIST Webbook

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=R101223&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

Latest version available from:

<https://www.chemeo.com/cid/15-726-9/3-Deoxy-2-C-hydroxymethyl-threo-pentonic-acid-pentakis-TMS.pdf>

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