Ribonic acid, 2,3,4,5-tetrakis-O-(trimethylsilyl)-, trimethylsilyl ester

Other names: Ribonic acid, pentakis-TMS
Ribonic acid, 2,3,4,5-tetrakis-O-TMS-, TMS ester

Inchi: InChI=1S/C20H50O6Si5/c1-27(2,3)22-16-17(23-28(4,5)6)18(24-29(7,8)9)19(25-30(10,11

InchiKey: HUHNYCQTXQUQCH-GUDVDZBRSA-N

Formula: C20H50O6Si5

SMILES: C[Si](C)(C)OCC(O[Si](C)(C)C)C(O[Si](C)(C)C)C(O[Si](C)(C)C)C(=O)O[Si](C)(C)C

Mol. weight [g/mol]: 527.03

CAS: 57197-35-0

Physical Properties

Property code	Value	Unit	Source
log10ws	6.00		Crippen Method
logp	5.876		Crippen Method
rinpol	1823.00		NIST Webbook
rinpol	1799.00		NIST Webbook
rinpol	1799.00		NIST Webbook
rinpol	1823.00		NIST Webbook

Sources

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

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

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C57197350&Units=SI

Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

rinpol: Non-polar retention indices

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