

Xylonic acid, pentakis-TMS

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)12)21-20
InchiKey: HUHNYCQTXQUQCH-CEXWTWQISA-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

Physical Properties

Property code	Value	Unit	Source
log10ws	6.00		Crippen Method
logp	5.876		Crippen Method
rinpol	1818.00		NIST Webbook

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=R102028&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

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/30-551-6/Xylonic-acid-pentakis-TMS.pdf>

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