L-Fucitol, pentakis(trimethylsilyl) ether

Other names: L-Fucitol TMS
Inchi: InChI=1S/C21H54O5Si5/c1-18(23-28(5,6)7)20(25-30(11,12)13)21(26-31(14,15)16)19(24
InchiKey: YCLDNNFGQOEZPF-UHFFFAOYSA-N
Formula: C21H54O5Si5
SMILES: CC(O[Si](C)(C)C)C(O[Si](C)(C)C)C(O[Si](C)(C)C)C(CO[Si](C)(C)C)O[Si](C)(C)C
Mol. weight [g/mol]: 527.08

Physical Properties

Property code	Value	Unit	Source
log10ws	5.25		Crippen Method
logp	6.738		Crippen Method
rinpol	1837.60		NIST Webbook
rinpol	1769.80		NIST Webbook
rinpol	1832.00		NIST Webbook
rinpol	1769.80		NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U380137&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

Cheméo (https://www.chemeo.com) is the biggest free database of chemical and physical data for the process industry.