«beta»-D-Galactofuranose, 1,2,3,5,6-pentakis-O-(trimethylsilyl)-

Other names: Galactofuranose, 1,2,3,5,6-pentakis-O-(trimethylsilyl)-, «beta»-D-
«beta»-Galactofuranose, pentakis-TMS
«beta»-Galactofuranose, TMS

Inchi: InChI=1S/C21H52O6Si5/c1-28(2,3)22-16-17(24-29(4,5)6)18-19(25-30(7,8)9)20(26-31(10

InchiKey: ZIWXPOHHTJQHTN-KKURMSBHSA-N

Formula: C21H52O6Si5

SMILES: C[Si](C)(C)OCC(O[Si](C)(C)C)C1OC(O[Si](C)(C)C)C(O[Si](C)(C)C)C1O[Si](C)(C)C

Mol. weight [g/mol]: 541.06

CAS: 7045-52-5

Physical Properties

Property code	Value	Unit	Source
log10ws	5.66		Crippen Method
logp	6.075		Crippen Method
rinpol	1852.00		NIST Webbook
ripol	1763.00		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=C7045525&Units=SI

Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

rinpol: Non-polar retention indices

ripol: Polar retention indices