

«alpha»-D-Galactopyranose, 1,2,3,4,6-pentakis-O-(trimethylsilyl)-

Other names:

Galactopyranose, 1,2,3,4,6-pentakis-O-(trimethylsilyl)-, «alpha»-D-1,2,3,4,6-Pentakis-O-(trimethylsilyl)-«alpha»-D-Galactopyranose
«alpha»-Galactopyranose, (5TMS)
«alpha»-Galactopyranose, TMS
«ALPHA»-d-galactopyranose, 5tms derivative

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

InchiKey: PPFHNIVPOLWPCF-FDKIHUSFSA-N

Formula: C₂₁H₅₂O₆Si₅

SMILES: C[Si](C)(C)OCC1OC(O[Si](C)(C)C)C(O[Si](C)(C)C)C(O[Si](C)(C)C)C1O[Si](C)(C)C

Mol. weight [g/mol]: 541.06

CAS: 32166-80-6

Physical Properties

Property code	Value	Unit	Source
log10ws	5.66		Crippen Method
logp	6.075		Crippen Method
rinsol	1894.00		NIST Webbook
ripol	1786.00		NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C32166806&Units=SI>

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

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

Legend

log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient
rinsol: Non-polar retention indices
ripol: Polar retention indices

Latest version available from:

<https://www.cheméo.com/cid/46-138-8/alpha-D-Galactopyranose-1-2-3-4-6-pentakis-O-trimethylsilyl.pdf>

Generated by Cheméo on 2024-04-20 09:54:53.775746447 +0000 UTC m=+15896142.696323763.

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