

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

Other names:

D-Glucuronic acid, (5TMS)

Glucuronic acid, penta-TMS

D-Glucuronic acid, penta-TMS

Glucuronic acid, penta-TMS, #2

Glucuronic acid, penta-TMS, #1

D-Glucuronic acid, TMS

Inchi:

InChI=1S/C21H50O7Si5/c1-29(2,3)24-17(16-22)18(25-30(4,5)6)19(26-31(7,8)9)20(27-32

InchiKey:

HDGFBGPNRURMOV-UHFFFAOYSA-N

Formula:

C₂₁H₅₀O₇Si₅

SMILES:

C[Si](C)(C)OC(=O)C(O[Si](C)(C)C)C(O[Si](C)(C)C)C(O[Si](C)(C)C)C(O[Si](C)(C)C)C(C=O)O[Si](C)(C)C

Mol. weight [g/mol]:

555.04

CAS:

55530-80-8

Physical Properties

Property code	Value	Unit	Source
log10ws	6.19		Crippen Method
logp	5.444		Crippen Method
rinpol	2013.00		NIST Webbook
rinpol	2018.00		NIST Webbook
rinpol	2010.00		NIST Webbook
rinpol	2004.00		NIST Webbook
rinpol	2056.00		NIST Webbook
rinpol	2008.00		NIST Webbook
rinpol	2063.00		NIST Webbook
rinpol	2010.00		NIST Webbook
rinpol	2020.00		NIST Webbook

Sources

Crippen Method:

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

Crippen Method:

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

NIST Webbook:

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C55530808&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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