

d-Galactose, 2,3,4,5,6-pentakis-O-(trimethylsilyl)-, o-methyloxyme, (1Z)-

Other names

D-(+)-Galactose, pentakis(trimethylsilyl) ether, methyloxime (syn)

Inchi:

InChI=1S/C22H55NO6Si5/c1-24-23-17-19(26-31(5,6)7)21(28-33(11,12)13)22(29-34(14,15)16)35-36-37-38-39

InchiKey:

LLVFXXKDPAPSCJ-UHFFFAOYSA-N

Formula:

C₂₂H₅₅NO₆Si₅

SMILES:

CON=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]:

570.10

CAS:

128705-71-5

Physical Properties

Property code	Value	Unit	Source
log10ws	5.59		Crippen Method
logp	6.350		Crippen Method
rinpol	1876.30		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=C128705715&Units=SI>

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/31-393-1/d-Galactose-2-3-4-5-6-pentakis-O-trimethylsilyl-o-methyloxyme-1Z.pdf>

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