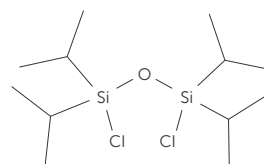


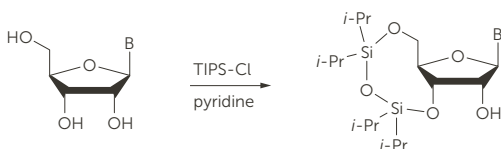
1,3-Dichloro-1,1,3,3-tetraisopropyl-disiloxane

Product number: 747 | Alternative name: TIPSiCl₂, TIPS-Cl | CAS number: 69304-37-6 | C₁₂H₂₈Cl₂OSi₂ | Molecular weight: 315.43

1,3-Dichloro-1,1,3,3-tetraisopropyl-disiloxane is a moisture sensitive, clear and colorless, corrosive liquid (b.p. 70°C [158°F]/0.5 mm). It has been used in the simultaneous protection of two hydroxyl groups in nucleosides and carbohydrate substrates.

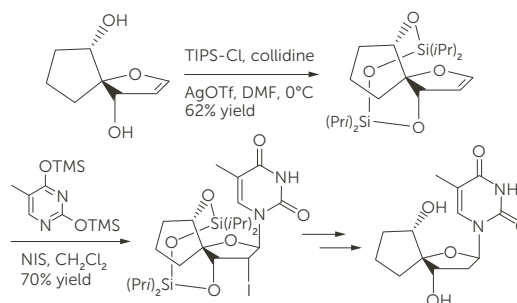


SELECTIVE 3',5'-PROTECTION OF RIBONUCLEOSIDES^{1,2}

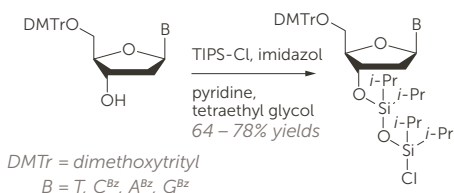


B = uridine, adenosine, guanosine, cytidine, tubercidin, tomocamycin, sangivamycin
70 – 92% yield

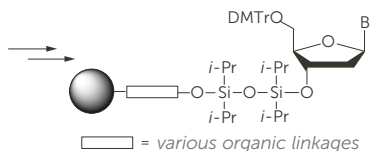
PROTECTION OF DISTANAL DIOLS⁴



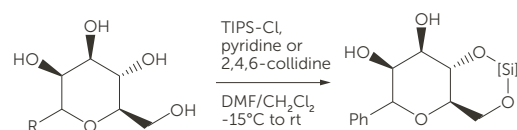
BASE-RESISTANT DISILOXY-BACKBONE AND SUPPORT FOR THE PREPARATION OF OLIGODEOXYNUCLEOTIDES³



DMTr = dimethoxytrityl
B = T, C^{Bz}, A^{Bz}, G^{Bz}



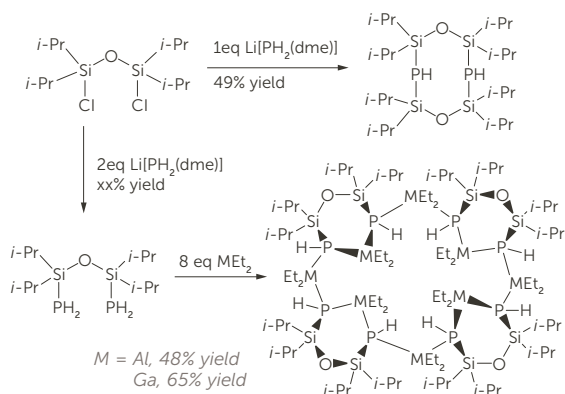
SELECTIVE 4,6-O-PROTECTION OF GLYCOSIDES^{5,6}



R = Ph, OMe, OBn, OAl, SEt, SPh

65 – 90% yields
[Si] = Si(iPr)₂OSi(iPr)₂

ALUMINUM- AND GALLIUM-PHOSPHORUS MACROCYCLES⁷



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