## Annotation

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## Addition reaction of Acetylated Allylgalactopyranoside with Chlorotrimetylsilane

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Silicon compounds play important roles in the development of living organisms. The introduction of a silicon atom into studied medicinal preparations may significantly alter the character of the drug's action, and in some cases, add new properties to them.

The Addition reaction of 1-O-Allyl-2,3,4,6-tetra-O-acetyl-β-D-galaqtopiranoside (5) with chlorotrimetylsilane (6) in the presence of a dicumyl peroxide catalyst, gave 1-O-(2-chloro-3-trimetyl silyl)-propyl-2,3,4,6-tetra-O-acetyl-β-D-galaqtopyranoside (7). The reaction basically proceeds according to Markovnikov's rule. The structure of the synthesized compounds was determined by physico-chemical research methods.

The reaction proceeds according to the following scheme:

HO OH 
$$(CH_3CO)_2O$$
 AcO OAC  $(CH_2=CH-CH_2OH)$ 

D-GalactozaG  $(CH_3CO)_2O$  AcO OAC  $(CH_2=CH-CH_2OH)$ 

D-GalactozaG  $(CH_3CO)_2O$  AcO OAC  $(CH_2=CH-CH_2OH)$ 
 $(CH_3CO)_2O$  AcO OAC  $(CH_2=CH-CH_2OH)$ 
 $(CH_3CO)_2O$  AcO OAC  $(CH_2=CH-CH_2OH)$ 
 $(CH_2=CH-CH_2OH)$ 
 $(CH_2=CH-CH_2OH)$ 
 $(CH_2=CH-CH_2OH)$ 
 $(CH_3CO)_2O$  AcO OAC  $(CH_2=CH_3CH)$ 
 $(CH_2=CH-CH_2OH)$ 
 $(CH_3CO)_2O$  AcO OAC  $(CH_2=CH_3CH)$ 
 $(CH_2=CH-CH_2OH)$ 
 $(CH_3CO)_2O$  AcO OAC  $(CH_3=CH_3CH)$ 
 $(CH_2=CH-CH_2OH)$ 
 $(CH_3CO)_2O$  AcO OAC  $(CH_3=CH_3CH)$ 
 $(CH_3CO)_3O$  AcO OAC  $(CH_3=CH_3CH)$ 
 $(CH_3CO)_3O$  AcO OAC  $(CH_3=CH_3CH)$ 
 $(CH_3CO)_3O$  AcO OAC  $(CH_3=CH_3CH)$ 
 $(CH_3CO)_3O$  AcO OAC  $(CH_3=CH_3CH)$ 
 $(CH_3CH)_3O$  AcO OAC  $(CH_3CH)_3O$  AcO OAC